The Little Data Book on Information and Communication Technology



Economic and social context	Usage
Structure	Quality
Efficiency and capacity	Affordability
Performance	Trade
Access	Applications





| THE LITTLE DATA BOOK ON INFORMATION AND COMMUNICATION TECHNOLOGY





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Preface

Since the late 1990s access to information and communication technologies (ICTs) has seen tremendous growth—driven primarily by the wireless technologies and liberalization of telecommunications markets. Mobile communications have evolved from simple voice and text services to diversified innovative applications and mobile broadband Internet. By the end of 2011, the number of mobile-cellular subscriptions reached approximately 6 billion globally. The number of individuals using the Internet has risen constantly and reached an estimated 2.4 billion while the number of fixed (wired)-broadband subscriptions reached almost 600 million at the end of 2011.

The impacts of ICTs cross all sectors. Research has shown that investment in information and communication technologies is associated with such economic benefits as higher productivity, lower costs, new economic opportunities, job creation, innovation, and increased trade. ICTs also help provide better services in health and education, and strengthen social cohesion.

The Little Data Book on Information and Communication Technology 2012 illustrates the progress of this revolution for 216 economies around the world. It provides comparable statistics on the sector for 2005 and 2010 across a range of indicators, enabling readers to readily compare economies.

This book includes indicators covering the economic and social context, the structure of the information and communication technology sector, sector efficiency and capacity, and sector performance related to access, usage, quality, affordability, trade, and applications. The Glossary contains definitions of the terms used in the tables.

For more information and other World Bank data publications, visit our data Web site at data.worldbank.org or the Web site of the Information and Communication Technologies Department at www.worldbank.org/ict.

For more statistics on information and communication technology infrastructure, access and usage, as well as analytical reports such as the annual Measuring the Information Society report, visit ITU's Web site at www.itu.int/ ict and the ITU ICT Eye at www.itu.int/icteye.

Data notes

The data in this book are for 2005 and 2010 or the most recent year unless otherwise noted in the table or the Glossary.

- Growth rates are proportional changes from the previous year unless otherwise noted.
- Regional aggregates include data for low- and middle-income economies only.
- · Italics indicate data for years or periods other than those specified.

Symbols used:

- .. indicates that data are not available or that aggregates cannot be calculated because of missing data.
- 0 or 0.0 indicates zero or small enough that the number would round to zero at the displayed number of decimal places.
 - \$ indicates current U.S. dollars.

Data are shown for economies with populations greater than 30,000 or for smaller economies if they are members of the World Bank or the ITU. The term *country* (used interchangeably with *economy*) does not imply political independence or official recognition by the World Bank or the ITU but refers to any economy for which the authorities report separate social or economic statistics.

Regional tables

The country composition of regions is based on the World Bank's analytical regions and may differ from common geographic usage. These regions include low- and middle-income economies only.

East Asia and Pacific

American Samoa, Cambodia, China, Fiji, Indonesia, Kiribati, Democratic Republic of Korea, Lao People's Democratic Republic, Malaysia, Marshall Islands, Federated States of Micronesia, Mongolia, Myanmar, Palau, Papua New Guinea, Philippines, Samoa, Solomon Islands, Thailand, Timor-Leste, Tonga, Tuvalu, Vanuatu, Vietnam

Europe and Central Asia

Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Georgia, Kazakhstan, Kosovo, Kyrgyz Republic, Latvia, Lithuania, Former Yugoslav Republic of Macedonia, Moldova, Montenegro, Romania, Russian Federation, Serbia, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan

Latin America and the Caribbean

Antigua and Barbuda, Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname, Uruguay, República Bolivariana de Venezuela

Middle East and North Africa

Algeria, Djibouti, Arab Republic of Egypt, Islamic Republic of Iran, Iraq, Jordan, Lebanon, Libya, Morocco, Syrian Arab Republic, Tunisia, West Bank and Gaza, Republic of Yemen

South Asia

Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka

Sub-Saharan Africa

Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Democratic Republic of the Congo, Republic of Congo, Côte d'Ivoire, Eritrea, Ethiopia, Gabon, The Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

World

	2005	2010
Economic and social context		
Population (millions)	6,504	6,895
Urban population (% of total)	49	51
GNI per capita, World Bank Atlas method (\$)	7,099	9,071
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.8	1.9
Adult literacy rate (% ages 15 and older)	82	84
Gross primary, secondary, tertiary school enrollment (%)	67	
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity	0.4	0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	3.1	2.7
<u> </u>		
Sector performance Access		
Fixed-telephone subscriptions (per 100 people)	19.4	17.2
Mobile-cellular telephone subscriptions (per 100 people)	34.0	78.2
Fixed (wired)-broadband subscriptions (per 100 people)	3.44	7.75
Households with a computer (%)	27.3	36.2
Households with Internet access at home (%)	18.8	30.3
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	15.8	30.2
Quality		
Population covered by a mobile-cellular network (%)	67	93
Fixed (wired)-broadband subscriptions (% of total Internet)	49.7	78.4
International Internet bandwidth (bit/s per Internet user)	4,857	29,020
Affordability		
Fixed-telephone sub-basket (\$ a month)		11.3
Mobile-cellular sub-basket (\$ a month)		14.4
Fixed-broadband sub-basket (\$ a month)		25.7
Trade		
ICT goods exports (% of total goods exports)	13.8	11.1
ior Poogo exporto (1/0 or total Boodo exporto)	14.0	12.7
ICT goods imports (% of total goods imports)		
	7.0	9.3
ICT goods imports (% of total goods imports)		9.3
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)		9.3 0.41

East Asia & Pacific

	2005	2010
Economic and social context		
Population (millions)	1,893	,
Urban population (% of total)	42	
GNI per capita, World Bank Atlas method (\$)	1,617	-,
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.5	
Adult literacy rate (% ages 15 and older)	91	94
Gross primary, secondary, tertiary school enrollment (%)	68	70
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.2	2.1
Telecommunications investment (% of revenue)		
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	21.0	
Mobile-cellular telephone subscriptions (per 100 people)	28.4	
Fixed (wired)-broadband subscriptions (per 100 people)	2.02	
Households with a computer (%)	20.4	
Households with Internet access at home (%)	9.0	19.8
Usage		
Int'l. voice traffic, total (minutes/subscription/month)	1.3	
Domestic mobile traffic (minutes/subscription/month)	132	
Individuals using the Internet (%) Quality	8.3	29.8
Population covered by a mobile-cellular network (%)	93	99
Fixed (wired)-broadband subscriptions (% of total Internet)	45.9	
International Internet bandwidth (bit/s per Internet user)	980	
Affordability	000	0,.00
Fixed-telephone sub-basket (\$ a month)		5.1
Mobile-cellular sub-basket (\$ a month)		7.7
Fixed-broadband sub-basket (\$ a month)		21.7
Trade		
ICT goods exports (% of total goods exports)	29.9	26.2
ICT goods imports (% of total goods imports)	25.8	
ICT service exports (% of total service exports)	4.6	
Applications	1.0	
E-government Web measure index (0-1, 1=highest presence)	0.29	0.22
Secure Internet servers (per million people)	0.23	4.2
COULT INTERIOR (por million people)	0.0	1.2

3

Europe & Central Asia

	2005	2010
Economic and social context		
Population (millions)	399	405
Urban population (% of total)	64	64
GNI per capita, World Bank Atlas method (\$)	3,709	7,272
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.1	3.1
Adult literacy rate (% ages 15 and older)	97	98
Gross primary, secondary, tertiary school enrollment (%)	79	81
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.2	2.7
Telecommunications investment (% of revenue)	22.1	18.6
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	24.0	25.5
Mobile-cellular telephone subscriptions (per 100 people)	61.7	
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	
Households with a computer (%)	13.7	
Households with Internet access at home (%)	6.7	34.3
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		104
Individuals using the Internet (%) Quality	12.9	39.3
Population covered by a mobile-cellular network (%)	91	
Fixed (wired)-broadband subscriptions (% of total Internet)	15.0	35.8
International Internet bandwidth (bit/s per Internet user)	1,412	
Affordability	1,412	24,334
Fixed-telephone sub-basket (\$ a month)		4.8
Mobile-cellular sub-basket (\$ a month)		10.8
Fixed-broadband sub-basket (\$ a month)		13.3
Trade	••	10.0
ICT goods exports (% of total goods exports)	1.1	1.2
ICT goods imports (% of total goods imports)	6.0	5.5
ICT service exports (% of total service exports)	5.6	5.9
Applications	5.0	5.5
E-government Web measure index (0-1, 1=highest presence)	0.47	0.48
Secure Internet servers (per million people)	5.5	48.3
ocours internet servers (her minion heathe)	5.5	+0.5

Latin America & Caribbean

	2005	2010
Economic and social context		
Population (millions)	550	583
Urban population (% of total)	78	79
GNI per capita, World Bank Atlas method (\$)	4,411	7,741
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	3.7
Adult literacy rate (% ages 15 and older)	90	91
Gross primary, secondary, tertiary school enrollment (%)	83	85
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.4	4.2
Telecommunications investment (% of revenue)		22.0
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	17.6	18.1
Mobile-cellular telephone subscriptions (per 100 people)	43.1	98.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.49	6.58
Households with a computer (%)	17.2	29.7
Households with Internet access at home (%)	9.7	20.7
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)	43	95
Individuals using the Internet (%)	16.5	34.0
Quality		
Population covered by a mobile-cellular network (%)	90	98
Fixed (wired)-broadband subscriptions (% of total Internet)	55.0	80.4
International Internet bandwidth (bit/s per Internet user)	1,252	11,948
Affordability		
Fixed-telephone sub-basket (\$ a month)		10.9
Mobile-cellular sub-basket (\$ a month)		14.7
Fixed-broadband sub-basket (\$ a month)		23.4
Trade		
ICT goods exports (% of total goods exports)	9.5	10.3
ICT goods imports (% of total goods imports)	13.6	14.0
ICT service exports (% of total service exports)		
Applications		
E-government Web measure index (0-1, 1=highest presence)	0.47	0.43
Secure Internet servers (per million people)	10.6	36.2

Middle East & North Africa

	2005	2010
Economic and social context		
Population (millions)	304	331
Urban population (% of total)	57	58
GNI per capita, World Bank Atlas method (\$)	2,195	3,874
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.1	4.8
Adult literacy rate (% ages 15 and older)	68	74
Gross primary, secondary, tertiary school enrollment (%)	68	
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly) International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity	2.0	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	3.2 23.6	16.5
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	14.3	16.5
Mobile-cellular telephone subscriptions (per 100 people)	22.2	86.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.40	1.36
Households with a computer (%)	9.7	30.4
Households with Internet access at home (%)	9.1	22.7
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	8.3	21.0
Quality		
Population covered by a mobile-cellular network (%)	80	
Fixed (wired)-broadband subscriptions (% of total Internet)		
International Internet bandwidth (bit/s per Internet user)	606	5,490
Affordability		
Fixed-telephone sub-basket (\$ a month)		4.1
Mobile-cellular sub-basket (\$ a month)		11.5
Fixed-broadband sub-basket (\$ a month)		16.9
Trade		
ICT goods exports (% of total goods exports)	0.8	
ICT goods imports (% of total goods imports)	5.2	4.2
ICT service exports (% of total service exports)		
Applications		
E-government Web measure index (0-1, 1=highest presence)	0.35	0.27
Secure Internet servers (per million people)	0.6	3.2

South Asia

	2005	2010
Economic and social context		
Population (millions)	1,517	,
Urban population (% of total)	29	
GNI per capita, World Bank Atlas method (\$)	687	-,
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.5	
Adult literacy rate (% ages 15 and older)	58	61
Gross primary, secondary, tertiary school enrollment (%)	57	
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	2.4	2.3
Telecommunications investment (% of revenue)	**	
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	3.9	
Mobile-cellular telephone subscriptions (per 100 people)	7.7	58.9
Fixed (wired)-broadband subscriptions (per 100 people)	0.09	
Households with a computer (%)	2.0	
Households with Internet access at home (%)	1.4	4.3
Usage		
Int'l. voice traffic, total (minutes/subscription/month)	5.3	5.0
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%) Quality	2.5	8.1
Population covered by a mobile-cellular network (%)	37	84
Fixed (wired)-broadband subscriptions (% of total Internet)	14.9	
International Internet bandwidth (bit/s per Internet user)	555	4,845
Affordability	333	4,045
Fixed-telephone sub-basket (\$ a month)		3.3
Mobile-cellular sub-basket (\$ a month)		2.5
Fixed-broadband sub-basket (\$ a month)		14.2
Trade		12
ICT goods exports (% of total goods exports)	0.9	1.6
CT goods imports (% of total goods imports)	7.4	
CT service exports (% of total service exports)	40.6	
Applications	.0.0	
E-government Web measure index (0-1, 1=highest presence)	0.31	0.36
Secure Internet servers (per million people)	0.5	2.5
manage poople)	0.0	

7

Sub-Saharan Africa

	2005	2010
Economic and social context		
Population (millions)	755	853
Urban population (% of total)	35	37
GNI per capita, World Bank Atlas method (\$)	770	1,188
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.5	4.8
Adult literacy rate (% ages 15 and older)	57	62
Gross primary, secondary, tertiary school enrollment (%)	51	
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	4.6	
Telecommunications investment (% of revenue)		
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	1.5	1.4
Mobile-cellular telephone subscriptions (per 100 people)	12.0	
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	
Households with a computer (%)	3.5	7.0
Households with Internet access at home (%)	1.1	3.6
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		56
Individuals using the Internet (%)	2.3	11.2
Quality		
Population covered by a mobile-cellular network (%)	51	
Fixed (wired)-broadband subscriptions (% of total Internet)		25.9
International Internet bandwidth (bit/s per Internet user)	214	921
Affordability		
Fixed-telephone sub-basket (\$ a month)		12.0
Mobile-cellular sub-basket (\$ a month)		15.0
Fixed-broadband sub-basket (\$ a month)		52.0
Trade	_	_
ICT goods exports (% of total goods exports)	0.7	0.5
ICT goods imports (% of total goods imports)	7.6	7.0
ICT service exports (% of total service exports)		
Applications		
E-government Web measure index (0-1, 1=highest presence)	0.25	0.29
Secure Internet servers (per million people)	2.1	5.8

Income group tables

For operational and analytical purposes the World Bank's main criterion for classifying economies is gross national income (GNI) per capita. Every economy in *The Little Data Book on Information and Communication Technology* is classified as low income, middle income, or high income. Low- and middle-income economies are sometimes referred to as developing economies. The use of the term is convenient; it is not intended to imply that all economies in the group are experiencing similar development or that other economies have reached a preferred or final stage of development. Classification by income does not necessarily reflect development status. Note: Classifications are fixed during the World Bank's fiscal year (ending on June 30), thus countries remain in the categories in which they are classified irrespective of any revisions to their per capita income data.

Low-income economies are those with a GNI per capita of \$1,005 or less in 2010.

Middle-income economies are those with a GNI per capita of more than \$1,005 but less than \$12,276. Lower-middle-income and upper-middle-income economies are separated at a GNI per capita of \$3,975.

High-income economies are those with a GNI per capita of \$12,276 or more.

Euro area includes the member states of the Economic and Monetary Union of the European Union that have adopted the euro as their currency: Austria, Belgium, Cyprus, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Malta, Netherlands, Portugal, Slovak Republic, Slovenia, and Spain.

Low income

	2005	2010
Economic and social context		
Population (millions)	718	796
Urban population (% of total)	26	
GNI per capita, World Bank Atlas method (\$)	340	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.7	5.7
Adult literacy rate (% ages 15 and older)	57	61
Gross primary, secondary, tertiary school enrollment (%)	50	
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	2.5	
Telecommunications investment (% of revenue)		
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	0.9	
Mobile-cellular telephone subscriptions (per 100 people)	4.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	
Households with a computer (%)	1.1	2.8
Households with Internet access at home (%)	0.4	1.6
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%) Quality	1.1	5.7
Population covered by a mobile-cellular network (%)	51	
Fixed (wired)-broadband subscriptions (% of total Internet)	4.5	
International Internet bandwidth (bit/s per Internet user)	175	1,737
Affordability	175	1,757
Fixed-telephone sub-basket (\$ a month)		8.8
Mobile-cellular sub-basket (\$ a month)		13.0
Fixed-broadband sub-basket (\$ a month)		54.6
Trade		
ICT goods exports (% of total goods exports)	0.2	
ICT goods imports (% of total goods imports)	4.8	
ICT service exports (% of total service exports)		
Applications		
E-government Web measure index (0-1, 1=highest presence)	0.22	0.20
Secure Internet servers (per million people)	0.22	0.20
See and an action of the common beating	0.1	0.0

Middle income

	2005	2010
Economic and social context		
Population (millions)	4,699	4,971
Urban population (% of total)	46	
GNI per capita, World Bank Atlas method (\$)	1,919	-,
GDP growth, 2000–05 and 2005–10 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	80	83
Gross primary, secondary, tertiary school enrollment (%)	65	
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	3.2
Telecommunications investment (% of revenue)	**	
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	14.7	13.7
Mobile-cellular telephone subscriptions (per 100 people)	26.9	78.0
Fixed (wired)-broadband subscriptions (per 100 people)	1.16	
Households with a computer (%)	14.8	25.2
Households with Internet access at home (%)	7.2	17.8
Usage		
Int'l. voice traffic, total (minutes/subscription/month)	4.4	4.5
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%) Quality	7.9	23.8
Population covered by a mobile-cellular network (%)	86	92
Fixed (wired)-broadband subscriptions (% of total Internet)	37.7	65.7
International Internet bandwidth (bit/s per Internet user)	1,016	7,858
Affordability	1,010	1,000
Fixed-telephone sub-basket (\$ a month)		7.1
Mobile-cellular sub-basket (\$ a month)		12.6
Fixed-broadband sub-basket (\$ a month)		20.3
Trade		20.0
ICT goods exports (% of total goods exports)	15.6	14.2
ICT goods imports (% of total goods imports)	16.1	14.2
ICT service exports (% of total service exports)	11.0	13.6
Applications	11.0	10.0
E-government Web measure index (0-1, 1=highest presence)	0.43	0.37
Secure Internet servers (per million people)	2.5	11.6
COOLIG INCOMOC CONTON (por million people)	2.0	11.0

Lower middle income

	2005	2010
Economic and social context		
Population (millions)	2,330	2,519
Urban population (% of total)	37	39
GNI per capita, World Bank Atlas method (\$)	896	1.623
GDP growth, 2000–05 and 2005–10 (avg. annual %)	5.5	6.4
Adult literacy rate (% ages 15 and older)	68	71
Gross primary, secondary, tertiary school enrollment (%)	60	
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.1	3.4
Telecommunications investment (% of revenue)		
Sector performance		
Access		0.0
Fixed-telephone subscriptions (per 100 people)	5.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	13.5	
Fixed (wired)-broadband subscriptions (per 100 people)	0.11	1.04
Households with a computer (%)	3.5	11.3
Households with Internet access at home (%)	2.4	7.5
Usage		C 1
Int'l. voice traffic, total (minutes/subscription/month)	6.8	6.1
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	3.9	13.5
Quality	50	0.0
Population covered by a mobile-cellular network (%)	50	86
Fixed (wired)-broadband subscriptions (% of total Internet)	10.7	57.1
International Internet bandwidth (bit/s per Internet user)	502	4,896
Affordability		
Fixed-telephone sub-basket (\$ a month)		5.3
Mobile-cellular sub-basket (\$ a month)		10.7
Fixed-broadband sub-basket (\$ a month) Trade		32.4
	11.0	8.3
ICT goods exports (% of total goods exports)	11.0	
ICT goods imports (% of total goods imports)	11.9	
ICT service exports (% of total service exports)	24.4	27.9
Applications	0.24	0.24
E-government Web measure index (0-1, 1=highest presence)	0.34	0.31
Secure Internet servers (per million people)	0.7	3.4

Upper middle income

	2005	2010
Economic and social context		
Population (millions)	2,369	2,452
Urban population (% of total)	54	57
GNI per capita, World Bank Atlas method (\$)	2,925	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	91	93
Gross primary, secondary, tertiary school enrollment (%)	71	73
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	2.4
Telecommunications investment (% of revenue)	21.2	
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	23.8	21.5
Mobile-cellular telephone subscriptions (per 100 people)	40.0	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	2.20	8.34
Households with a computer (%)	21.3	35.2
Households with Internet access at home (%)	10.0	25.1
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		3.2
Domestic mobile traffic (minutes/subscription/month)	97	138
Individuals using the Internet (%)	11.9	34.1
Quality		
Population covered by a mobile-cellular network (%)	94	99
Fixed (wired)-broadband subscriptions (% of total Internet)	43.1	69.0
International Internet bandwidth (bit/s per Internet user)	1,181	9,037
Affordability		
Fixed-telephone sub-basket (\$ a month)		9.8
Mobile-cellular sub-basket (\$ a month)		14.9
Fixed-broadband sub-basket (\$ a month)		17.6
Trade		
ICT goods exports (% of total goods exports)	16.6	15.5
ICT goods imports (% of total goods imports)	17.1	15.0
ICT service exports (% of total service exports)	4.2	5.8
Applications		
E-government Web measure index (0-1, 1=highest presence)	0.48	0.46
Secure Internet servers (per million people)	4.1	20.1

Low and middle income

	2005	2010
Economic and social context		
Population (millions)	5,417	,
Urban population (% of total)	43	
GNI per capita, World Bank Atlas method (\$)	1,710	,
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	78	80
Gross primary, secondary, tertiary school enrollment (%)	63	
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	3.2
Telecommunications investment (% of revenue)		
Sector performance		
Access	40.0	44.0
Fixed-telephone subscriptions (per 100 people)	12.9	
Mobile-cellular telephone subscriptions (per 100 people)	23.9	
Fixed (wired)-broadband subscriptions (per 100 people)	1.00 13.7	
Households with a computer (%)	6.5	16.0
Households with Internet access at home (%)	0.0	16.0
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)	7.0	21.5
Individuals using the Internet (%) Quality	7.0	21.0
Population covered by a mobile-cellular network (%)	84	91
Fixed (wired)-broadband subscriptions (% of total Internet)	37.6	65.5
International Internet bandwidth (bit/s per Internet user)	998	7,662
Affordability		
Fixed-telephone sub-basket (\$ a month)		8.8
Mobile-cellular sub-basket (\$ a month)		12.7
Fixed-broadband sub-basket (\$ a month)		23.0
Trade		
ICT goods exports (% of total goods exports)	15.4	14.1
ICT goods imports (% of total goods imports)	15.8	14.0
ICT service exports (% of total service exports)	10.9	13.5
Applications		
E-government Web measure index (0-1, 1=highest presence)	0.36	0.33
Secure Internet servers (per million people)	2.2	10.2

High income

	2005	2010
Economic and social context		
Population (millions)	1,087	1,127
Urban population (% of total)	76	78
GNI per capita, World Bank Atlas method (\$)	33,982	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	0.6
Adult literacy rate (% ages 15 and older)	98	98
Gross primary, secondary, tertiary school enrollment (%)	92	94
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly) International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.1	2.6
Telecommunications investment (% of revenue)	15.0	16.3
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	51.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	84.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	15.37	26.54
Households with a computer (%)	65.0	77.1
Households with Internet access at home (%)	54.0	74.0
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	59.3	73.6
Quality		
Population covered by a mobile-cellular network (%)	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	87.3	96.0
International Internet bandwidth (bit/s per Internet user)	7,378	60,241
Affordability		
Fixed-telephone sub-basket (\$ a month)		21.2
Mobile-cellular sub-basket (\$ a month)		22.3
Fixed-broadband sub-basket (\$ a month)		26.3
Trade		
ICT goods exports (% of total goods exports)	13.4	10.4
ICT goods imports (% of total goods imports)	13.6	12.5
ICT service exports (% of total service exports)	6.3	8.1
Applications		
E-government Web measure index (0-1, 1=highest presence)	0.67	0.68
Secure Internet servers (per million people)	358.9	1,068.0

Euro area

	2005	2010
Economic and social context		
Population (millions)	324	332
Urban population (% of total)	73	74
GNI per capita, World Bank Atlas method (\$)	31,697	/
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.4	0.5
Adult literacy rate (% ages 15 and older)		
Gross primary, secondary, tertiary school enrollment (%)	93	95 ———
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	2.9	2.4
Telecommunications investment (% of revenue)	12.7	13.5
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	51.9	
Mobile-cellular telephone subscriptions (per 100 people)	98.1	
Fixed (wired)-broadband subscriptions (per 100 people)	13.32	
Households with a computer (%)	58.3	
Households with Internet access at home (%)	46.5	71.5
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)	84	105
Individuals using the Internet (%) Quality	51.5	71.5
Population covered by a mobile-cellular network (%)	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	58.6	
International Internet bandwidth (bit/s per Internet user)		75,294
Affordability	3,000	10,204
Fixed-telephone sub-basket (\$ a month)		25.3
Mobile-cellular sub-basket (\$ a month)		29.8
Fixed-broadband sub-basket (\$ a month)		26.2
Trade	••	20.2
ICT goods exports (% of total goods exports)	8.3	5.2
ICT goods imports (% of total goods imports)	10.3	8.2
ICT service exports (% of total service exports)	8.0	10.7
Applications	0.0	10.1
E-government Web measure index (0-1, 1=highest presence)	0.71	0.67
Secure Internet servers (per million people)	145.0	
coodia international (por million people)	110.0	0 11.0

Country tables

China

Data for China do not include data for Hong Kong SAR, China; Macao SAR, China; or Taiwan, China.

Cyprus

GNI and GDP data and data calculated using GNI and GDP refer to the area controlled by the government of the Republic of Cyprus.

Georgia

GNI and GDP data and data calculated using GNI and GDP exclude Abkhazia and South Ossetia.

Kosovo, Montenegro, and Serbia

Montenegro declared independence from Serbia and Montenegro on June 3, 2006. Where available, data for each country are shown separately. However, some indicators for Serbia prior to 2006 include data for Montenegro. Moreover, data for most indicators for Serbia from 1999 onward exclude data for Kosovo, which in 1999 became a territory under international administration pursuant to UN Security Council Resolution 1244 (1999). Kosovo became a member of the World Bank on June 29, 2009, and its data are shown where available.

Moldova

GNI and GDP data and data calculated using GNI and GDP exclude Transnistria.

Morocco

GNI and GDP data and data calculated using GNI and GDP include Former Spanish Sahara.

Netherlands Antilles

Netherlands Antilles ceased to exist on October 10, 2010. Curacao and St. Maarten became countries within the Kingdom of Netherlands. Bonaire, St. Eustatius, and Saba became special municipalities of the Netherlands.

South Sudan and Sudan

Data are shown separately for South Sudan where available. However, data reported for Sudan include South Sudan unless otherwise noted.

Tanzania

GNI and GDP data and data calculated using GNI and GDP refer to mainland Tanzania only.

For more information, see World Development Indicators 2012 or data. worldbank.org.

Afghanistan

South Asia Low income

	Country	y data	Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	30	34	796
Urban population (% of total)	23	25	28
GNI per capita, World Bank Atlas method (\$)	230	410	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	12.4	10.7	5.7
Adult literacy rate (% ages 15 and older)			61
Gross primary, secondary, tertiary school enrollment (%)	45	54	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	P	1
Mobile telephone service	Р	P	1
Internet service	Р	P	1
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)		С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5		
Telecommunications investment (% of revenue)	37.8		
Sector performance Access	0.42	0.4	a 11
Fixed-telephone subscriptions (per 100 people)	0.4a	0.4	
Mobile-cellular telephone subscriptions (per 100 people)	4.3	41.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)	0.8	1.9	
Households with Internet access at home (%)	0.8	1.5	a 1.6
Usage	0.7		
Int'l. voice traffic, total (minutes/subscription/month)	3.7		
Domestic mobile traffic (minutes/subscription/month)	28.8		
Individuals using the Internet (%) Quality	1.2	4.0	a 5.7
Population covered by a mobile-cellular network (%)	72	75	
Fixed (wired)-broadband subscriptions (% of total Internet)	18.3	50.0	
International Internet bandwidth (bit/s per Internet user)	12	1,592	a 1,737
Affordability		,	, -
Fixed-telephone sub-basket (\$ a month)			8.8
Mobile-cellular sub-basket (\$ a month)			12.0
Fixed-broadband sub-basket (\$ a month)			F 4 C
Trade			0
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)		0.4	
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.20	0.24	0.20
Secure Internet servers (per million people)	0.20	0.24	
Coodio internet servers (per minion people)	0.0	0.0	0.0



Europe & Central Asia	Upper m	iddle i	ncome
	0		Upper middle- income
	2005		group 2010
Francisco and control control	2005	2010	2010
Economic and social context Population (millions)	3	3	2.452
Urban population (% of total)	45	48	, -
GNI per capita, World Bank Atlas method (\$)	2,580	3,960	-
GDP growth, 2000–05 and 2005–10 (avg. annual %)	5.3	5.3	,
Adult literacy rate (% ages 15 and older)	99	96	
Gross primary, secondary, tertiary school enrollment (%)	68		73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	Р	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (percentage allowed)	75	75-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.1	4.7	
Telecommunications investment (% of revenue)	11.2	25.9	
Sector performance Access			
	8.0	10.4	21 6
Fixed-telephone subscriptions (per 100 people)	8.9 48.7	10.4	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	48.7	141.9	84.3
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	48.7 0.01 ^a	141.9 3.29	84.3 8.34
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	48.7 0.01 ^a 7.0	141.9 3.29 15.6	84.3 8.34 a 35.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	48.7 0.01 ^a	141.9 3.29	84.3 8.34 a 35.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	48.7 0.01 ^a 7.0	141.9 3.29 15.6	84.3 8.3 ² a 35.2 a 25.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	48.7 0.01 ^a 7.0 5.0	141.9 3.29 15.6 11.7	84.3 8.34 35.2 a 25.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	48.7 0.01 ^a 7.0 5.0	141.9 3.29 15.6 11.7	84.3 8.34 35.2 a 25.1 3.2 137.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	48.7 0.01 ^a 7.0 5.0 41.0 21.5	141.9 3.29 15.6 11.7 13.5 75.5	84.3 8.34 35.2 a 25.1 3.2 137.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	48.7 0.01 ^a 7.0 5.0 41.0 21.5	141.9 3.29 15.6 11.7 13.5 75.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	48.7 0.01 ^a 7.0 5.0 41.0 21.5 6.0	141.9 3.29 15.6 11.7 13.5 75.5 45.0	84.3 8.34 35.2 3.2 137.9 34.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	48.7 0.01 ^a 7.0 5.0 41.0 21.5 6.0	141.9 3.29 15.6 11.7 13.5 75.5 45.0	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	48.7 0.01 ^a 7.0 5.0 41.0 21.5 6.0	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	48.7 0.01 ^a 7.0 5.0 41.0 21.5 6.0	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	48.7 0.01° 7.0 5.0 41.0 21.5 6.0 91 25.0 63°	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5 11,790	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	48.7 0.01a 7.0 5.0 41.0 21.5 6.0 91 25.0 63a	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5 11,790	84.5 8.34 35.2 3.2 137.5 34.1 99 69.0 9,037
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Wasge Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	48.7 0.01° 7.0 5.0 41.0 21.5 6.0 91 25.0 63° 	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5 11,790 6.4 25.8 10.7	84.3 8.3 ² 35.2 3.2 137.9 34.1 9.9 69.0 9,037 9.8 14.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	48.7 0.01° 7.0 5.0 41.0 21.5 6.0 91 25.0 63° 	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5 11,790 6.4 25.8 10.7	84.3 8.3 ² 35.2 ³ 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	48.7 0.01a 7.0 5.0 41.0 21.5 6.0 91 25.0 63a 0.6 3.8	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5 11,790 6.4 25.8 10.7 0.8 4.1	84.3 8.34 35.2 3.2 137.9 34.1 99 69.0 9,037 14.5 15.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	48.7 0.01° 7.0 5.0 41.0 21.5 6.0 91 25.0 63° 	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5 11,790 6.4 25.8 10.7	84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037 9.8 14.9 17.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	48.7 0.01 ^a 7.0 5.0 41.0 21.5 6.0 91 25.0 63 ^a 0.6 3.8 6.4	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5 11,790 6.4 25.8 10.7 0.8 4.1 4.8	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	48.7 0.01a 7.0 5.0 41.0 21.5 6.0 91 25.0 63a 0.6 3.8	141.9 3.29 15.6 11.7 13.5 75.5 45.0 98 94.5 11,790 6.4 25.8 10.7 0.8 4.1	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 5.8

Algeria

Middle East & North Africa	pper m	iddle i	ncome
			Upper
	Countr	y data	middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	33	35	2,452
Urban population (% of total)	63	67	57
GNI per capita, World Bank Atlas method (\$)	2,720	4,390	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.1	2.6	6.3
Adult literacy rate (% ages 15 and older)	73		93
Gross primary, secondary, tertiary school enrollment (%)	73	78	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	Р	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	3.6	2.4
relection in an incation is revenue (% or ab)	0	0.0	
Telecommunications investment (% of revenue)	36.0		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	7.8	8.2	21.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	7.8 41.5	8.2 92.4	21.5 84.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	7.8 41.5 0.41	8.2 92.4 2.54	21.5 84.3 8.34
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	7.8 41.5 0.41 7.1	8.2 92.4 2.54 20.0	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	7.8 41.5 0.41	8.2 92.4 2.54	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	7.8 41.5 0.41 7.1 1.2	8.2 92.4 2.54 20.0	21.5 84.3 8.34 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	7.8 41.5 0.41 7.1 1.2 8.1 12.4	8.2 92.4 2.54 20.0 10.0	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	7.8 41.5 0.41 7.1 1.2 8.1	8.2 92.4 2.54 20.0 10.0	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8	8.2 92.4 2.54 20.0 10.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8	8.2 92.4 2.54 20.0 10.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1	8.2 92.4 2.54 20.0 10.0 4.3 	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8	8.2 92.4 2.54 20.0 10.0 4.3	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1	8.2 92.4 2.54 20.0 10.0 4.3 	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1 81 ^a	8.2 92.4 20.0 10.0 4.3 12.5	21.8 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1 81a	8.2 92.4 2.54 20.0 10.0 4.3 12.5 8,120	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1 81a	8.2 92.4 2.54 20.0 10.0 4.3 12.5 8,120 5.4 12.5	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1 81a	8.2 92.4 2.54 20.0 10.0 4.3 12.5 8,120 5.4 12.5	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1 81a	8.2 92.4 2.54 20.0 10.0 4.3 12.5 8,120 5.4 12.5 14.8	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037 9.8 14.9 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1 81a	8.2 92.4 2.54 20.0 10.0 4.3 12.5 8,120 5.4 12.5 14.8	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1 81 ^a 0.0 7.9	8.2 92.4 2.54 20.0 10.0 4.3 12.5 8,120 5.4 12.5 14.8 0.0 3.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	7.8 41.5 0.41 7.1 1.2 8.1 12.4 5.8 42 71.1 81 ^a 0.0 7.9	8.2 92.4 2.54 20.0 10.0 4.3 12.5 8,120 5.4 12.5 14.8 0.0 3.0	21.5 84.3 8.34 35.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8

American Samoa

East Asia & Pacific L	Jpper m	iddle i	ncome
			Upper middle-
	Countr	y data	income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.06	0.07	2,452
Urban population (% of total)	91	93	57
GNI per capita, World Bank Atlas method (\$)			5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)			6.3
Adult literacy rate (% ages 15 and older)			93
Gross primary, secondary, tertiary school enrollment (%)			7:
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Telecommunications investment (% of revenue) Sector performance	••		
Access Fixed-telephone subscriptions (per 100 people)	16.5a	15.2	a 21.5
Mobile-cellular telephone subscriptions (per 100 people)	3.6		84.3
Fixed (wired)-broadband subscriptions (per 100 people)			8.34
Households with a computer (%)			35.2
Households with Internet access at home (%)			25.
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			3.2
Domestic mobile traffic (minutes/subscription/month)			137.9
Individuals using the Internet (%)			34.1
Quality			
Population covered by a mobile-cellular network (%)			99
Fixed (wired)-broadband subscriptions (% of total Internet)			69.0
International Internet bandwidth (bit/s per Internet user)			9,03
Affordability			0.0
Fixed-telephone sub-basket (\$ a month)			9.8
Mobile-cellular sub-basket (\$ a month)			14.9
Fixed-broadband sub-basket (\$ a month) Trade			17.6
ICT goods exports (% of total goods exports)			15.
ICT goods imports (% of total goods imports)			15.0
ICT service exports (% of total service exports)			5.8
Applications			J.0
E-government Web measure index (0-1, 1=highest presence)			0.46
Secure Internet servers (per million people)	61.4	29.2	
ocours internet servers (per minion people)	01.4	23.2	20.

Andorra

High income

	Counti	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.08	0.08	1,127
Urban population (% of total)	90	88	78
GNI per capita, World Bank Atlas method (\$)	32,650	41,750	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.1	3.7	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	62	69	94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	М	M	
Internet service		M	
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.6	2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.5	45.0	
Mobile-cellular telephone subscriptions (per 100 people)	82.9	77.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	13.28	28.87	26.54 77.1
Households with a computer (%) Households with Internet access at home (%)			74.0
Usage			74.0
Int'l. voice traffic, total (minutes/subscription/month)	112.6	91.9	
Domestic mobile traffic (minutes/subscription/month)	65.4	57.6	
Individuals using the Internet (%)	37.6	81.0	73.6
Quality	00	01.0	
Population covered by a mobile-cellular network (%)	91	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	88.1	96.0
International Internet bandwidth (bit/s per Internet user)	14,339	33,459	60,241
Affordability			
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			
ICT goods exports (% of total goods exports)	18.8		10.4
ICT goods imports (% of total goods imports)	14.0		12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.52	0.31	0.68
Secure Internet servers (per million people)	436.5	919.1	1,068.0

Angola

Sub-Saharan Africa L	ower m	iluule i	iicoiiic
			Lower middle-
	Countr	y data	income group
	2005	2010	2010
Economic and social context			
Population (millions)	16	19	2,519
Urban population (% of total)	54	59	39
GNI per capita, World Bank Atlas method (\$)	1,330	3,960	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	9.9	12.1	6.4
Adult literacy rate (% ages 15 and older)	67	70	71
Gross primary, secondary, tertiary school enrollment (%)	58	65	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	М	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	50	50	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
	2.0		3.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	2.0 25.3		3.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			3.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	25.3		a 6.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	25.3	1.6	a 6.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	25.3 0.6 9.8	1.6 46.7	a 6.0 a 71.7 a 1.04
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	25.3 0.6 9.8 0.00	1.6 46.7 0.10	a 6.0 a 71.7 a 1.04 a 11.3
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	25.3 0.6 9.8 0.00 4.0	1.6 46.7 0.10 7.1	a 6.0 a 71.7 a 1.04 a 11.3
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	25.3 0.6 9.8 0.00 4.0	1.6 46.7 0.10 7.1	a 6.0 a 71.7 a 1.04 a 11.3 a 7.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	25.3 0.6 9.8 0.00 4.0 1.4 ^a	1.6 46.7 0.10 7.1 5.7	a 6.0 a 71.7 a 1.04 a 11.3 a 7.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	25.3 0.6 9.8 0.00 4.0 1.4 ^a	1.6 46.7 0.10 7.1 5.7	a 6.0 a 71.7 a 1.04 a 11.3 a 7.5 6.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	25.3 0.6 9.8 0.00 4.0 1.4 ^a	1.66 46.7 0.10 7.1 5.7	a 6.0 a 71.7 a 1.04 a 11.3 a 7.5 6.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	25.3 0.6 9.8 0.00 4.0 1.4 ^a	1.66 46.7 0.10 7.1 5.7	a 6.0 a 71.7 1.04 a 11.3 a 7.5 6.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1	1.6 46.7 0.10 7.1 5.7	6.0 a a 6.0 a 71.7 a 1.0 4 a 11.3 a 7.5 a 13.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1	1.6 46.7 0.10 7.1 5.7 10.0	6.0 a a 6.0 a 71.7 a 1.0 4 a 11.3 a 7.5 a 13.5 86 57.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1 40 0.0	1.66 46.7 0.10 7.1 5.7 10.0	6.0 a 6.0 a 71.7 a 1.04 a 11.3 a 7.5 a 13.5 86 57.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1 40 0.0	1.66 46.7 0.10 7.1 5.7 10.0	a 6.0 a 71.7 a 10.4 a 11.3 a 7.5 6.1 86 57.1 4,896
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	25.3 0.6 9.8 0.00 4.0 1.4a 1.1 40 0.0 361	1.66 46.7 0.10 7.1 5.7 10.0	6.0 a 6.0 71.7 a 1.04 a 11.3 7.5 6.1 86 57.1 4,896
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1 40 0.0 361	1.6 46.7 0.10 7.1 5.7 10.0 6.3 629	6.0 a 6.0 71.7 a 1.04 a 11.3 7.5 6.1 6.1 4,896 5.3 10.7
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1 40 0.0 361	1.6 46.7 0.10 7.1 5.7 10.0 6.3 629 16.5 19.2	a 6.0 a 71.7 1.04 a 11.3 a 7.5 6.1 86 57.1 4,896 5.3 10.7
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1 40 0.0 361	1.6 46.7 0.10 7.1 5.7 10.0 6.3 629 16.5 19.2	a 6.0 a 71.7 1.04 a 11.3 a 7.5 6.1 86 57.1 4,896 5.3 10.7
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1 40 0.0 361	1.6 46.7 0.10 7.1 5.7 10.0 6.3 629 16.5 19.2	a 6.0 a 71.7 1.04 a 11.3 a 7.5 6.1 86 57.1 4,896 5.3 10.7 32.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1 40 0.0 361	1.6 46.7 0.10 7.1 5.7 10.0 6.3 629 16.5 19.2	a 6.0 a 71.7 a 10.04 a 11.3 a 7.5 6.1 86 57.1 a 4,896 5.3 10.7 32.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods imports)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1 40 0.0 361	1.66 46.7 0.10 7.1 5.7 10.0 6.3 629 16.5 19.2 133.4	a 6.0 a 71.7 a 1.04 a 11.3a 7.5 6.1 86 57.1 4,896 5.3 10.7 32.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	25.3 0.6 9.8 0.00 4.0 1.4 ^a 1.1 40 0.0 361	1.66 46.7 0.10 7.1 5.7 10.0 6.3 629 16.5 19.2 133.4	a 6.0 a 71.7 a 1.04 a 11.3 a 7.5 6.1 a 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9

Antigua and Barbuda

Latin America & Caribbean	Jpper m	iddle i	ncome
			Upper middle-
	Countr	y data	income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.08	0.09	2,452
Urban population (% of total)	31	30	57
GNI per capita, World Bank Atlas method (\$)	12,000	13,280	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.4	0.8	6.3
Adult literacy rate (% ages 15 and older)	99	99	93
Gross primary, secondary, tertiary school enrollment (%)		80	73
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	С	Р	
Internet service	С	Р	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Sector enriciency and capacity			
			2.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.4
Telecommunications revenue (% of GDP)			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access			21.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	43.5	40.9	21.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	43.5 102.5	40.9 189.3	21.5 84.3 8.34
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	43.5 102.5 0.94 ^a	40.9 189.3 8.03	21.5 84.3 8.34 35.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	43.5 102.5 0.94°	40.9 189.3 8.03 50.9	21.5 84.3 8.34 35.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	43.5 102.5 0.94°	40.9 189.3 8.03 50.9	21.5 84.3 8.34 35.2 25.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	43.5 102.5 0.94 ^a 	40.9 189.3 8.03 50.9 38.0	21.5 84.3 8.34 35.2 25.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	43.5 102.5 0.94 ^a 	40.9 189.3 8.03 50.9 38.0	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	43.5 102.5 0.94 ^a 	40.9 189.3 8.03 50.9 38.0 31.2	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	43.5 102.5 0.94 ^a 	40.9 189.3 8.03 50.9 38.0 31.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	43.5 102.5 0.94 ^a 	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	43.5 102.5 0.94 ^a 34.7	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	43.5 102.5 0.94 ^a 34.7	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	43.5 102.5 0.94 ^a 34.7	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0	21.5 84.3 8.34 35.2 3 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	43.5 102.5 0.94 ^a 34.7 100 8.8 19,051	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0 100 48.7 16,909	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	43.5 102.5 0.94 ^a 34.7 100 8.8 19,051	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0 100 48.7 16,909	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	 43.5 102.5 0.94 ^a 34.7 100 8.8 19,051	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0 100 48.7 16,909 14.2 22.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	 43.5 102.5 0.94 ^a 34.7 100 8.8 19,051	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0 100 48.7 16,909 14.2 22.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Hixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	43.5 102.5 0.94 ^a 34.7 100 8.8 19,051	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0 100 48.7 16,909 14.2 22.0 40.5	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99.69.0 9,037 9.8 14.9
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	 43.5 102.5 0.94 ^a 34.7 100 8.8 19,051 	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0 100 48.7 16,909 14.2 22.0 40.5	21.5 84.3 8.34 35.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods imports)	43.5 102.5 0.94 ^a 34.7 100 8.8 19,051 	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0 100 48.7 16,909 14.2 22.0 40.5	21.5 84.3 8.34 35.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods imports) ICT service exports (% of total service exports)	43.5 102.5 0.94 ^a 34.7 100 8.8 19,051 	40.9 189.3 8.03 50.9 38.0 31.2 126.7 80.0 100 48.7 16,909 14.2 22.0 40.5	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6

	Aryentina
Latin America & Caribbean	Upper middle income

			Upper middle- income
	2005	Country data	
	2005	2010	2010
Economic and social context			
Population (millions)	39	40	,
Urban population (% of total)	91	92	
GNI per capita, World Bank Atlas method (\$)	4,460	8,620	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	2.2	6.4	
Adult literacy rate (% ages 15 and older)	97	98	
Gross primary, secondary, tertiary school enrollment (%)	89	94	! 73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	!
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	30	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.2	2.4
Telecommunications investment (% of revenue)			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	24.4	24.7	a 21.5
Mobile-cellular telephone subscriptions (per 100 people)	57.3	141.8	a 84.3
Fixed (wired)-broadband subscriptions (per 100 people)	2.40	9.56	8.34
Households with a computer (%)	32.0	40.0	a 35.2
Households with Internet access at home (%)	13.3a	21.3	a 25.1
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			3.2
Domestic mobile traffic (minutes/subscription/month)		24.4	137.9
Individuals using the Internet (%)	17.7	36.0	a 34.1
Quality			
Population covered by a mobile-cellular network (%)	94		. 99
Fixed (wired)-broadband subscriptions (% of total Internet)	38.3	96.7	69.0
International Internet bandwidth (bit/s per Internet user) Affordability	1,787	27,494	a 9,037
Fixed-telephone sub-basket (\$ a month)		3.8	9.8
Mobile-cellular sub-basket (\$ a month)		30.7	14.9
Fixed-broadband sub-basket (\$ a month)		25.6	17.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	15.5
ICT goods imports (% of total goods imports)	11.6	9.1	15.0
ICT service exports (% of total service exports)	6.8	11.7	5.8
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.58	0.53	0.46
Secure Internet servers (per million people)	10.8	33.6	20.1

Armenia

	Europe & Central Asia	Lower m	iddle i	ncome	
				Lower middle-	
Population (millions) 3 3 2,5		Country	y data	income	
Population (millions)		2005	2010	2010	
Urban population (% of total)	Economic and social context				
GNI per capita, World Bank Atlas method (\$) 1,470 3,200 1,6 GDP growth, 2000–05 and 2005–10 (avg. annual %) 12.3 3.3 Adult literacy rate (% ages 15 and older) 99 100 Gross primary, secondary, tertiary school enrollment (%) 71 77	Population (millions)	3	3	2,519	
GDP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service C C C Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) C A Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Sege Usage Usa	Urban population (% of total)	64	64	3	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Separate telecommunications/ICT regulator Sector structure Separate telecommunications/ICT regulator Separate telecommunications/ICT regulator Sector competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service PPPP Internet service CCC Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) CA Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Mouseholds with a computer (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscriptions (% of total Internet) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	GNI per capita, World Bank Atlas method (\$)	1,470	3,200	1,62	
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet sub-basket (\$ a month) In	GDP growth, 2000-05 and 2005-10 (avg. annual %)	12.3	3.3	6.	
Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet sub-basket (\$ a month) Internet bandwidth (bit/s per Internet user) International Internet banket (\$ a month) Internet sub-basket	Adult literacy rate (% ages 15 and older)	99	100	7	
Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service C C Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) C A Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications E-government Web measure index (0-1, 1=highest presence) O A Mixed L	Gross primary, secondary, tertiary school enrollment (%)	71	77		
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) International gateway(sa month) International gateway(sa month) International gateway(sa month) International gateway(sa gallowed) International gateway(sa gallo	Sector structure				
Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service C C Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) C A Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Seno 14.1 Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Signal (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) CT goods exports (% of total goods exports) CT goods imports (% of total service exports) Sepovernment Web measure index (0-1, 1=highest presence) O.42 O.33 O.44 Todo C A C C C C C C C C C C C C C C C C C	Separate telecommunications/ICT regulator	No	Yes		
Mobile telephone service Internet service P C C C P C C C P C C C C C C C C C C C C C C C C C C C C C C C C C D C C D C C D A D D D D D D D D D D D D D D D D D A A D D D A A A D D A A A D D A B	Status of main fixed-line operator	Mixed	Mixed		
Mobile telephone service Internet service P C C C P C C C P C C C C C C C C C C C C C C C C C C C C C C C C C D C C D C C D A D D D D D D D D D D D D D D D D D A A D D D A A A D D A A A D D A B	Level of competition (competition, partial comp., monopoly)				
Internet service	International gateway(s)				
Foreign ownership (percentage allowed)	Mobile telephone service	Р	P		
Reg. treatment of VoIP (banned, closed, no framework, allowed) C A Sector efficiency and capacity Telecommunications revenue (% of GDP) 3.0 4.4 Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Sage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Seno 14.1 Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Sized (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Fixed-telephone sub-basket (\$ a month) Fixed-troadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Longulations E-government Web measure index (0-1, 1=highest presence) O 4.4 A 4.4 A 4.4 19.2 A 4.4 19.2 19.4 19.4 19.4 19.	Internet service	С	С		
Sector efficiency and capacity Telecommunications revenue (% of GDP) 3.0 4.4 Telecommunications investment (% of revenue) 23.6 29.0	Foreign ownership (percentage allowed)	100	100		
Telecommunications revenue (% of GDP) 3.0 4.4 Telecommunications investment (% of revenue) 23.6 29.0 Sector performance Access Fixed-telephone subscriptions (per 100 people) 19.4 19.2 6 Mobile-cellular telephone subscriptions (per 100 people) 10.4 125.0 7 Fixed (wired)-broadband subscriptions (per 100 people) 10.4 125.0 7 Fixed with a computer (%) 5.5° 21.0 1 Households with a computer (%) 2.9° 15.0° 21.0 1 Households with Internet access at home (%) 2.9° 15.0° 21.0 1 Households with Internet access at home (%) 2.9° 15.0° 24.1 10.0° 24.1 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	Reg. treatment of VoIP (banned, closed, no framework, allowed	I) C	A		
Telecommunications investment (% of revenue) 23.6 29.0 Sector performance Access Fixed-telephone subscriptions (per 100 people) 19.4 19.2 4 Mobile-cellular telephone subscriptions (per 100 people) 10.4 125.0 7 Fixed (wired)-broadband subscriptions (per 100 people) 0.06a 2.75 1 Households with a computer (%) 5.5a 21.0 1 Households with Internet access at home (%) 2.9a 15.0a Usage Int'l. voice traffic, total (minutes/subscription/month) 2.4.1 2.4.1 Domestic mobile traffic (minutes/subscription/month) 5.3 44.0 1.0 Quality Population covered by a mobile-cellular network (%) 85 99 Fixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability Fixed-telephone sub-basket (\$ a month) 4.2 Mobile-cellular sub-basket (\$ a month) 8.8 1 Fixed-broadband sub-basket (\$ a month) 8.8 1	Sector efficiency and capacity				
Sector performance Access Fixed-telephone subscriptions (per 100 people) 19.4 19.2 4 Mobile-cellular telephone subscriptions (per 100 people) 10.4 125.0 7 Fixed (wired)-broadband subscriptions (per 100 people) 0.06³ 2.75 1 Households with a computer (%) 5.5³ 21.0 1 Households with Internet access at home (%) 2.9³ 15.0³ Usage Int'l. voice traffic, total (minutes/subscription/month) 24.1 Domestic mobile traffic (minutes/subscription/month) 5.3 44.0 1 Quality 5.3 44.0 1 Quality Population covered by a mobile-cellular network (%) 85 99 Fixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability Fixed-telephone sub-basket (\$ a month) 4.2 Mobile-cellular sub-basket (\$ a month) 32.4 3 Trade IC	Telecommunications revenue (% of GDP)	3.0	4.4	3.	
Mobile-cellular telephone subscriptions (per 100 people) 10.4 125.0 7 Fixed (wired)-broadband subscriptions (per 100 people) 0.06³ 2.75 1 Households with a computer (%) 5.5³ 21.0 1 Households with Internet access at home (%) 2.9³ 15.0³ Usage Int'l. voice traffic, total (minutes/subscription/month) 58.0 14.1 Domestic mobile traffic (minutes/subscription/month) 58.0 14.1 Individuals using the Internet (%) 5.3 44.0 1 Quality Population covered by a mobile-cellular network (%) 85 99 Fixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability Fixed-telephone sub-basket (\$ a month) 4.2 4 Mobile-cellular sub-basket (\$ a month) 32.4 3 Trade IcT goods exports (% of total goods exports) 0.3 0.8 4 ICT goods imports (% of total goods imports) 3.6 4.7 <td>Telecommunications investment (% of revenue)</td> <td>23.6</td> <td>29.0</td> <td></td>	Telecommunications investment (% of revenue)	23.6	29.0		
Mobile-cellular telephone subscriptions (per 100 people) 10.4 125.0 7 Fixed (wired)-broadband subscriptions (per 100 people) 0.06³ 2.75 1 Households with a computer (%) 5.5³ 21.0 1 Households with Internet access at home (%) 2.9³ 15.0³ Usage Int'l. voice traffic, total (minutes/subscription/month) 5.0 14.1 Domestic mobile traffic (minutes/subscription/month) 58.0 14.1 Individuals using the Internet (%) 5.3 44.0 1 Quality Population covered by a mobile-cellular network (%) 85 99 Fixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability Fixed-telephone sub-basket (\$ a month) 4.2 4 Mobile-cellular sub-basket (\$ a month) 32.4 3 Trade ICT goods exports (% of total goods exports) 0.3 0.8 4 ICT goods imports (% of total service exports) 12.3 16.8<	Access	19 <i>/</i> I	19.2	6.0	
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Households using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Loss of total service exports (% of total service exports) E-government Web measure index (0-1, 1=highest presence) 15.5° 21.0 15.0° 1 15.0° 1 15.0° 1 14.1 16.8° 2.4.1 16.8° 2.5 16					
Households with a computer (%) 5.5ª 21.0 1 Households with Internet access at home (%) 2.9ª 15.0ª **Usage** Int'l. voice traffic, total (minutes/subscription/month) 24.1 Domestic mobile traffic (minutes/subscription/month) 58.0 14.1 Individuals using the Internet (%) 5.3 44.0 1: **Quality** Population covered by a mobile-cellular network (%) 85 99 Fixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 **Affordability** Fixed-telephone sub-basket (\$ a month) 8.8 1 Fixed-toroadband sub-basket (\$ a month) 8.8 1 **Fixed-toroadband sub-basket (\$ a month) 32.4 3 **Trade** ICT goods exports (% of total goods exports) 0.3 0.8 6 ICT goods imports (% of total goods imports) 3.6 4.7 1 ICT service exports (% of total service exports) 12.3 16.8 2 **Applications**					
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Sa.0 14.1 Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) International sub-basket (\$ a month) Cit goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT geords we can be sub-basked (\$ a month) Cit geords exports (% of total goods imports) ICT geords imports (% of total service exports) Papilications E-government Web measure index (0-1, 1=highest presence) O 42 0.33 0					
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) 58.0 14.1 Individuals using the Internet (%) 5.3 44.0 1: Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability Fixed-telephone sub-basket (\$ a month) 4.2 Mobile-cellular sub-basket (\$ a month) 88.8 1 Fixed-broadband sub-basket (\$ a month) 1CT goods exports (% of total goods exports) 1CT goods imports (% of total goods imports) 1CT service exports (% of total service exports) 12.3 16.8 2 Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0					
Int'l. voice traffic, total (minutes/subscription/month) 24.1 Domestic mobile traffic (minutes/subscription/month) 58.0 14.1 Individuals using the Internet (%) 5.3 44.0 1.2 Quality V Population covered by a mobile-cellular network (%) 85 99 Fixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability Fixed-telephone sub-basket (\$ a month) 4.2 Mobile-cellular sub-basket (\$ a month) 32.4 3 Trade ICT goods exports (% of total goods exports) 0.3 0.8 3 ICT goods imports (% of total goods imports) 3.6 4.7 1 ICT service exports (% of total service exports) 12.3 16.8 2 Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0		2.5	10.0		
Domestic mobile traffic (minutes/subscription/month) 58.0 14.1 Individuals using the Internet (%) 5.3 44.0 1.2 Quality 85 99 Pixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability 5 4.2 4.8 4.2 4.8 4.2 4.2 4.8 4.2 4.2 4.8 4.2 4.2 4.8 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4			24.1	6.	
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications E-government Web measure index (0-1, 1=highest presence) 12.3 44.0 1.4 44.0 1.5 4.0 1.5 4.7 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1		58.0	14.1		
Quality Population covered by a mobile-cellular network (%) 85 99 Fixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability		5.3	44.0	13.	
Population covered by a mobile-cellular network (%) 85 99 Fixed (wired)-broadband subscriptions (% of total Internet) 1.1 88.2 5 International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability Fixed-telephone sub-basket (\$ a month) 4.2 5 Mobile-cellular sub-basket (\$ a month) 32.4 3. Trade ICT goods exports (% of total goods exports) 0.3 0.8 6 ICT goods imports (% of total goods imports) 3.6 4.7 1 ICT service exports (% of total service exports) 12.3 16.8 2 Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0					
Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) ### Affordability Fixed-telephone sub-basket (\$ a month) ### Mobile-cellular sub-basket (\$ a month) ### Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ### ICT goods imports (% of total service exports) ### Affordability 1.1	· ·	85	99	8	
International Internet bandwidth (bit/s per Internet user) 453 7,752 4,8 Affordability Fixed-telephone sub-basket (\$ a month) 4.2 4.8 Mobile-cellular sub-basket (\$ a month) 32.4 3.7 Trade ICT goods exports (% of total goods exports) 0.3 0.8 4.7 11 ICT goods imports (% of total goods imports) 3.6 4.7 11 ICT service exports (% of total service exports) 12.3 16.8 2 Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0	•	1.1	88.2	57.	
Affordability		453	7,752	4,89	
Mobile-cellular sub-basket (\$ a month) 8.8 1 Fixed-broadband sub-basket (\$ a month) 32.4 3. Trade ICT goods exports (% of total goods exports) 0.3 0.8 4.7 1 ICT service exports (% of total service exports) 12.3 16.8 2 Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0			,	,	
Mobile-cellular sub-basket (\$ a month) 8.8 1 Fixed-broadband sub-basket (\$ a month) 32.4 3. Trade ICT goods exports (% of total goods exports) 0.3 0.8 4.7 1 ICT service exports (% of total service exports) 12.3 16.8 2 Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0	Fixed-telephone sub-basket (\$ a month)		4.2	5.	
Fixed-broadband sub-basket (\$ a month) 32.4 3. Trade ICT goods exports (% of total goods exports) 0.3 0.8 4.7 1. ICT goods imports (% of total goods imports) 12.3 16.8 2. Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0.	Mobile-cellular sub-basket (\$ a month)		8.8	10.	
Trade ICT goods exports (% of total goods exports) 0.3 0.8 8 ICT goods imports (% of total goods imports) 3.6 4.7 1 ICT service exports (% of total service exports) 12.3 16.8 2 Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0			32.4	32.	
ICT goods imports (% of total goods imports) 3.6 4.7 1/1 ICT service exports (% of total service exports) 12.3 16.8 2 Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0					
ICT goods imports (% of total goods imports) 3.6 4.7 10 ICT service exports (% of total service exports) 12.3 16.8 2 Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0	ICT goods exports (% of total goods exports)	0.3	0.8	8.	
ICT service exports (% of total service exports) 12.3 16.8 2 **Applications** E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0.33 0.43		3.6	4.7	10.	
Applications E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0					
E-government Web measure index (0-1, 1=highest presence) 0.42 0.33 0		-			
	• •	0.42	0.33	0.3	
Occurs internet Scivers (Del Hillion Decide) 1.3 ///	Secure Internet servers (per million people)	1.3	27.7		



High income

	Countr	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.10	0.11	1,127
Urban population (% of total)	47	47	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-0.8		0.6
Adult literacy rate (% ages 15 and older)	97	98	98
Gross primary, secondary, tertiary school enrollment (%)	83	80	94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)	1.2	15.8	16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	37.9	32.6	
Mobile-cellular telephone subscriptions (per 100 people)	102.4	122.6	
Fixed (wired)-broadband subscriptions (per 100 people)	12.15	17.88	26.54
Households with a computer (%)	45.0		77.1
Households with Internet access at home (%)	36.7		74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	25.4a	42.0	73.6
Quality	23.4-	42.0	13.0
Population covered by a mobile-cellular network (%)	90	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	7,017	113,412	60,241
Affordability	1,011	110,412	00,241
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			20.0
ICT goods exports (% of total goods exports)		0.4	10.4
ICT goods imports (% of total goods imports)		5.1	12.5
ICT service exports (% of total service exports)	0.8	1.1	8.1
Applications	0.0		0.1
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	287.1		1,068.0
(por poop.o/			_,000.0

Australia

High income

	Countr	y data ⁱ	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	20	22	1,127
Urban population (% of total)	88	89	78
GNI per capita, World Bank Atlas method (\$)	30,440	46,200	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.4	2.9	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	112	108	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	Р	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8		2.6
Telecommunications investment (% of revenue)	16.7		16.3
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	49.6	38.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	90.3	101.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	9.88a	24.18	26.54
Households with a computer (%)	67.0	81.1ª	
Households with Internet access at home (%)	56.0	74.1ª	
Usage	30.0	14.1	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	63.0	76.0ª	73.6
Quality	00.0		1010
Population covered by a mobile-cellular network (%)	98	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	33.7	88.4	96.0
International Internet bandwidth (bit/s per Internet user)	7,840a		60,241
Affordability	.,	,	,
Fixed-telephone sub-basket (\$ a month)		27.6	21.2
Mobile-cellular sub-basket (\$ a month)		27.7	22.3
Fixed-broadband sub-basket (\$ a month)		36.9	26.3
Trade			
ICT goods exports (% of total goods exports)	1.7	1.0	10.4
ICT goods imports (% of total goods imports)	11.8	10.6	12.5
ICT service exports (% of total service exports)	4.9	4.9	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.81	0.86	0.68
Secure Internet servers (per million people)	498.1	2,005.9	1,068.0

Austria

	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	8	8	1,127
Urban population (% of total)	67	68	78
GNI per capita, World Bank Atlas method (\$)	37,210	47,030	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.7	1.1	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	88	91	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С		
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.8	2.6
Telecommunications investment (% of revenue)	12.7	10.4	16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	45.4	38.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	105.3	145.8	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	14.26	23.85	26.54
Households with a computer (%)	63.1	76.2	77.1
Households with Internet access at home (%)	46.7	72.9	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	16.1		
Domestic mobile traffic (minutes/subscription/month)	107.5	143.6	
Individuals using the Internet (%)	58.0	72.7	73.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	66.3	85.9	96.0
International Internet bandwidth (bit/s per Internet user)	11,439a	73,744	60,241
Affordability		05.0	04.0
Fixed-telephone sub-basket (\$ a month)		25.3	21.2
Mobile-cellular sub-basket (\$ a month)		13.9	22.3
Fixed-broadband sub-basket (\$ a month)		26.2	26.3
Trade		2.0	10.4
ICT goods exports (% of total goods exports)	5.5	3.9	
ICT goods imports (% of total goods imports)	7.7	5.8	12.5
ICT service exports (% of total service exports)	5.3	6.2	8.1
Applications	0.74	0.75	0.00
E-government Web measure index (0-1, 1=highest presence)	0.74 231.7	0.75	0.68
Secure Internet servers (per million people)	231./	995.6	1,068.0

Azerbaijan

Europe & Central Asia	Upper n	Jpper middle ii		
	Counti	Country data		
	2005	2010	group 2010	
Economic and social context				
Population (millions)	8	9	2,452	
Urban population (% of total)	52	52	57	
GNI per capita, World Bank Atlas method (\$)	1,270	5,330	5,886	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	12.7	15.8	6.3	
Adult literacy rate (% ages 15 and older)	100		93	
Gross primary, secondary, tertiary school enrollment (%)	72	70	73	
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	М	М		
Mobile telephone service	Р	P		
Internet service	С	С		
Foreign ownership (percentage allowed)	49-100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	3.6	2.7	2.4	
Telecommunications investment (% of revenue)	6.8	18.3		
Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.7	16.4	21.5	
Mobile-cellular telephone subscriptions (per 100 people)	26.1	99.0		
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	5.01		
Households with a computer (%)	7.3	21.5		
Households with Internet access at home (%)	6.3	35.3		
Usage	0.5	33.3	20.1	
Int'l. voice traffic, total (minutes/subscription/month)	7.6	6.7	3.2	
Domestic mobile traffic (minutes/subscription/month)	3.1	79.2	137.9	
Individuals using the Internet (%)	8.0	46.0	34.1	
Quality				
Population covered by a mobile-cellular network (%)	99	100	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	3.0	52.8	69.0	
International Internet bandwidth (bit/s per Internet user) Affordability	435	9,692	9,037	
Fixed-telephone sub-basket (\$ a month)		2.5	9.8	
Mobile-cellular sub-basket (\$ a month)		6.9		
Fixed-broadband sub-basket (\$ a month)		12.5		
Trade		12.0	11.0	
ICT goods exports (% of total goods exports)	0.0	0.0	15.5	
ICT goods imports (% of total goods imports)	4.6	3.5		
ICT service exports (% of total service exports)	5.2	4.0		
Applications	5.2	7.0	5.0	
E-government Web measure index (0-1, 1=highest presence)	0.46	0.37	0.46	
Secure Internet servers (per million people)	0.40	4.7		
Cooking intermed and the financial people's	0.0	r.,	20.1	

Bahamas, The

	Countr	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.32	0.34	1,127
Urban population (% of total)	83	84	78
GNI per capita, World Bank Atlas method (\$)	24,410	22,240	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.3	-0.8	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	73		94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	С	
Mobile telephone service	M	M	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	41.7	37.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	71.3	124.9	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	4.19	7.20	26.54
Households with a computer (%)			77.1
Households with Internet access at home (%)			74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	25.0a	43.0	73.6
Quality	0.5	400	400
Population covered by a mobile-cellular network (%)	95	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	100.0	96.0
International Internet bandwidth (bit/s per Internet user) Affordability	1,127ª	4,205	60,241
Fixed-telephone sub-basket (\$ a month)		16.3	21.2
Mobile-cellular sub-basket (\$ a month)		17.5	22.3
Fixed-broadband sub-basket (\$ a month)		35.0	26.3
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	10.4
ICT goods imports (% of total goods imports)	3.2	2.8	12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.49	0.47	0.68
Secure Internet servers (per million people)	153.4	420.5	1,068.0

Bahrain

	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.72	1	1,127
Urban population (% of total)	88	89	78
GNI per capita, World Bank Atlas method (\$)	17,400	18,730	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.1	7.2	0.6
Adult literacy rate (% ages 15 and older)	87	91	98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	Р	Р	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.4	2.6
Telecommunications investment (% of revenue)	14.9		16.3
Sector performance			
Access	26.7	18.1	44.4
Fixed-telephone subscriptions (per 100 people)		124.2	110.8
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	105.8 2.96	5.36	
Households with a computer (%)	44.0	87.0	77.1
Households with Internet access at home (%)	32.0	74.0	74.0
Usage	32.0	14.0	74.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	117.3	106.1	
Individuals using the Internet (%)	21.3	55.0	73.6
Quality	21.0	00.0	10.0
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	42.6	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	2,649a		60,241
Affordability			
Fixed-telephone sub-basket (\$ a month)		4.8	21.2
Mobile-cellular sub-basket (\$ a month)		15.0	22.3
Fixed-broadband sub-basket (\$ a month)		26.6	26.3
Trade			
ICT goods exports (% of total goods exports)	0.1	0.9	10.4
ICT goods imports (% of total goods imports)	2.1	4.4	12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.57	0.86	0.68
Secure Internet servers (per million people)	48.3	117.9	1,068.0

Bangladesh

South Asia Low income

	Countr	Country data	
•	2005	2010	group 2010
Economic and social context			
Population (millions)	141	149	796
Urban population (% of total)	26	28	28
GNI per capita, World Bank Atlas method (\$)	480	700	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.4	6.2	5.7
Adult literacy rate (% ages 15 and older)	47	56	61
Gross primary, secondary, tertiary school enrollment (%)	52	55	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5		
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.6	a 1.1
Mobile-cellular telephone subscriptions (per 100 people)	6.4	46.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.04	
Households with a computer (%)	1.4	3.1	
Households with Internet access at home (%)	0.2	2.6	1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	0.2a	3.7	a 5.7
Quality			
Population covered by a mobile-cellular network (%)	80		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		
International Internet bandwidth (bit/s per Internet user)	177a	2,790	1,737
Affordability		4.0	0.0
Fixed-telephone sub-basket (\$ a month)		1.3	
Mobile-cellular sub-basket (\$ a month)		2.0	
Fixed-broadband sub-basket (\$ a month)		15.0	54.6
Trade	0.4		
ICT goods exports (% of total goods exports)	0.1		
ICT goods imports (% of total goods imports)	6.2		
ICT service exports (% of total service exports)	3.4	13.0	
Applications	0.20	0.44	0.20
E-government Web measure index (0-1, 1=highest presence)	0.29		
Secure Internet servers (per million people)	0.0	0.6	0.8

Barbados

	Country data		High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.27	0.27	1,127
Urban population (% of total)	38	41	78
GNI per capita, World Bank Atlas method (\$)	11,000	12,660	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.2	-0.2	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	95	101	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р		
Mobile telephone service	С	Р	
Internet service	C		
Foreign ownership (percentage allowed)	b	75	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.9		2.6
Telecommunications investment (% of revenue)	14.0		16.3
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	49.9	50.3	44.4
Mobile-cellular telephone subscriptions (per 100 people)	76.2	128.1	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	11.81	20.56	26.54
Households with a computer (%)	39.6	61.4ª	
Households with Internet access at home (%)	37.2ª	51.0ª	
Usage	01.2	01.0	1 1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	56.1ª	70.2ª	73.6
Quality			
Population covered by a mobile-cellular network (%)	100		100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.2	94.0	96.0
International Internet bandwidth (bit/s per Internet user)	3,297	20,638	60,241
Affordability	-, -	-,	,
Fixed-telephone sub-basket (\$ a month)		20.2	21.2
Mobile-cellular sub-basket (\$ a month)		20.0	22.3
Fixed-broadband sub-basket (\$ a month)		38.8	26.3
Trade			
ICT goods exports (% of total goods exports)	4.9	1.5	10.4
ICT goods imports (% of total goods imports)	7.8	6.1	12.5
ICT service exports (% of total service exports)	3.8	2.3	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.57	0.37	0.68
Secure Internet servers (per million people)	207.0	401.6	1,068.0

Belarus

Europe & Central Asia	Upper m	pper middle incon		
	Countr	y data	income group	
	2005	2010	2010	
Economic and social context				
Population (millions)	10	9	2,452	
Urban population (% of total)	72	74	57	
GNI per capita, World Bank Atlas method (\$)	2,780	5,950	5,886	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.6	7.1	6.3	
Adult literacy rate (% ages 15 and older)		100	93	
Gross primary, secondary, tertiary school enrollment (%)	89		. 73	
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line operator	Public	Public	;	
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	M	M	1	
Mobile telephone service	Р	C	:	
Internet service	С	C		
Foreign ownership (percentage allowed)	49	49	1	
Reg. treatment of VoIP (banned, closed, no framework, allowed		C		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	1.3	3.1	2.4	
Telecommunications investment (% of revenue)	41.3	29.2		
Access Fixed-telephone subscriptions (per 100 people)	33.4	43.1	21.5	
Mobile-cellular telephone subscriptions (per 100 people)	41.7	107.7		
Fixed (wired)-broadband subscriptions (per 100 people)	0.02	17.36		
Households with a computer (%)	9.6	40.8		
Households with Internet access at home (%)	7.0	31.2		
Usage		01.2	2011	
Int'l. voice traffic, total (minutes/subscription/month)	6.6	6.7	3.2	
Domestic mobile traffic (minutes/subscription/month)	116.2	180.1	137.9	
Individuals using the Internet (%)	19.7	31.7		
Quality				
Population covered by a mobile-cellular network (%)	90	100	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	4.2	81.5	69.0	
International Internet bandwidth (bit/s per Internet user)	1,336	22,027	9,037	
Affordability				
Fixed-telephone sub-basket (\$ a month)		1.3	9.8	
Mobile-cellular sub-basket (\$ a month)		7.9	14.9	
Fixed-broadband sub-basket (\$ a month)		18.1	17.6	
Trade				
ICT goods exports (% of total goods exports)	1.0	0.5	15.5	
ICT goods imports (% of total goods imports)	2.4	2.4	15.0	
ICT service exports (% of total service exports)	5.8	8.8	5.8	
Applications				
E-government Web measure index (0-1, 1=highest presence)	0.52	0.41	0.46	
Secure Internet servers (per million people)	0.5	12.4		

Belgium

	Country data		High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	10	11	1,127
Urban population (% of total)	97	97	78
GNI per capita, World Bank Atlas method (\$)	36,600	45,840	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.6	0.9	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	95	97	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р		
Internet service	С		
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	2.6	2.6
Telecommunications investment (% of revenue)	11.6	14.0	16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	46.0	43.3	44.4
Mobile-cellular telephone subscriptions (per 100 people)	92.2	113.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	19.31	31.49	26.54
Households with a computer (%)	57.0	76.7	77.1
Households with Internet access at home (%)	50.2	72.7	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	70.2	90.9	
Individuals using the Internet (%)	59.8	75.0	73.6
Quality	00	400	400
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	88.1	98.8	96.0
International Internet bandwidth (bit/s per Internet user) Affordability	18,870ª	112,023	60,241
Fixed-telephone sub-basket (\$ a month)		31.4	21.2
Mobile-cellular sub-basket (\$ a month)		40.2	22.3
Fixed-broadband sub-basket (\$ a month)		24.8	26.3
Trade			
ICT goods exports (% of total goods exports)	4.0	2.3	10.4
ICT goods imports (% of total goods imports)	4.9	3.5	12.5
ICT service exports (% of total service exports)	8.5	9.2	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.68	0.65	0.68
Secure Internet servers (per million people)	117.9	604.4	1,068.0

Belize

tin America & Caribbean Lowe		ower middle i		
	Countr	-	group	
	2005	2010	2010	
Economic and social context	0.00	0.05	0.540	
Population (millions)	0.29	0.35	,	
Urban population (% of total)	50	53		
GNI per capita, World Bank Atlas method (\$)	3,580 5.7	3,810 2.3	,	
GDP growth, 2000–05 and 2005–10 (avg. annual %) Adult literacy rate (% ages 15 and older)	J.1 	2.3		
Gross primary, secondary, tertiary school enrollment (%)	74	77		
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes	;	
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly) International gateway(s)				
Mobile telephone service	 M			
Internet service	M			
Foreign ownership (percentage allowed)	25	25-100		
Reg. treatment of VoIP (banned, closed, no framework, allowed		В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	5.7	5.1	3.4	
Telecommunications investment (% of revenue)	23.8	41.7	٠	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.0	9.7	6.0	
Mobile-cellular telephone subscriptions (per 100 people)	34.2a	62.3		
Fixed (wired)-broadband subscriptions (per 100 people)	1.79	2.86		
Households with a computer (%)	1.75	2.00		
Households with Internet access at home (%)			7.5	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)		35.9	6.1	
Domestic mobile traffic (minutes/subscription/month)	15.3	1.1		
Individuals using the Internet (%)	9.2	14.0	13.5	
Quality				
Population covered by a mobile-cellular network (%)			. 86	
Fixed (wired)-broadband subscriptions (% of total Internet)	73.5	95.0	57.1	
International Internet bandwidth (bit/s per Internet user)	5,217	18,337	4,896	
Affordability				
Fixed-telephone sub-basket (\$ a month)		19.6		
Mobile-cellular sub-basket (\$ a month)		31.0		
Fixed-broadband sub-basket (\$ a month)		102.2	32.4	
Trade	0.0	0.0	8.3	
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	5.9	3.6		
ICT service exports (% of total service exports)			07.0	
Applications			21.3	
E-government Web measure index (0-1, 1=highest presence)	0.41	0.40	0.31	
Secure Internet servers (per million people)	257.0	304.2		
Secure interior services (per million people)	201.0	504.2	. 5.4	

Benin

Sub-Saharan Africa Low income

	Country	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	8	9	796
Urban population (% of total)	40	42	28
GNI per capita, World Bank Atlas method (\$)	570	780	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.9	4.2	5.7
Adult literacy rate (% ages 15 and older)	35	42	61
Gross primary, secondary, tertiary school enrollment (%)	58		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service		P	
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	5.4	
Telecommunications investment (% of revenue)	35.0	25.9	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	1.0	1.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.8	79.9	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.04	0.05
Households with a computer (%)	1.6a	2.5	2.8
Households with Internet access at home (%)	0.0a	0.1	a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	100.0	6.5	
Domestic mobile traffic (minutes/subscription/month)		32.6	
Individuals using the Internet (%)	1.3	3.1	5.7
Quality			
Population covered by a mobile-cellular network (%)	43	90	
Fixed (wired)-broadband subscriptions (% of total Internet)	2.9		
International Internet bandwidth (bit/s per Internet user) Affordability	484	2,245	1,737
Fixed-telephone sub-basket (\$ a month)		9.0	8.8
Mobile-cellular sub-basket (\$ a month)		13.0	
Fixed-broadband sub-basket (\$ a month)		50.1	54.6
Trade			
ICT goods exports (% of total goods exports)	0.0		
ICT goods imports (% of total goods imports)	2.9		
ICT service exports (% of total service exports)	2.8		
Applications	-		
E-government Web measure index (0-1, 1=highest presence)	0.19	0.20	0.20
Secure Internet servers (per million people)	0.1	0.8	0.8
,			

Bermuda

	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.06	0.06	1,127
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.3	0.3	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	70	66	94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)		••	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9		2.6
Telecommunications investment (% of revenue)	11.3		16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	81.8	89.0	
Mobile-cellular telephone subscriptions (per 100 people)	82.2	135.8	
Fixed (wired)-broadband subscriptions (per 100 people)	28.83	61.75	
Households with a computer (%)	67.9	94.4	
Households with Internet access at home (%)	62.8a	90.5	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	194.8		
Individuals using the Internet (%)	65.4	84.2	73.6
Quality			
Population covered by a mobile-cellular network (%)	98		100
Fixed (wired)-broadband subscriptions (% of total Internet)	59.8		96.0
International Internet bandwidth (bit/s per Internet user)	10,555		60,241
Affordability			
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			40.4
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)		3.4	12.5
ICT service exports (% of total service exports) Applications	••		8.1
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	1,714.6	5 897 8	1,068.0
occare internet servers (per million people)	1,117.0	0,001.0	1,000.0

Bhutan

South Asia Lower middle incom			
	Countr		income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.66	0.73	,
Urban population (% of total)	31	37	
GNI per capita, World Bank Atlas method (\$)	1,070	1,870	,
GDP growth, 2000–05 and 2005–10 (avg. annual %)	8.3	8.8	
Adult literacy rate (% ages 15 and older)	53		
Gross primary, secondary, tertiary school enrollment (%)	54	66	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	С	
Mobile telephone service	M	С	
Internet service	Р	С	
Foreign ownership (percentage allowed)	70	1-70	
Reg. treatment of VoIP (banned, closed, no framework, allowed) В	No	
Sector officional and conscitu			
Sector efficiency and capacity Telecommunications revenue (% of GDP)	2.0	2.5	3.4
Telecommunications investment (% of revenue)	81.1	21.1	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	5.0 5.5	3.6 54.3	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	1.20	
Households with a computer (%)	2.6	6.4	
Households with Internet access at home (%) Usage	1.2	4.9	a 7.
Int'l. voice traffic, total (minutes/subscription/month)			6.3
Domestic mobile traffic (minutes/subscription/month)	56.1		
Individuals using the Internet (%)	3.8	13.6	13.5
Quality			
Population covered by a mobile-cellular network (%)	5	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	88.3	57.:
International Internet bandwidth (bit/s per Internet user) Affordability	237	3,343	4,896
Fixed-telephone sub-basket (\$ a month)		3.4	5.3
Mobile-cellular sub-basket (\$ a month)		4.6	10.
Fixed-broadband sub-basket (\$ a month)		10.5	32.4
Trade			
ICT goods exports (% of total goods exports)	0.9	11.3	8.3
ICT goods imports (% of total goods imports)	5.3	2.5	
ICT service exports (% of total service exports)			27.9
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.31	0.35	0.3
Secure Internet servers (per million people)		5.4	3.4

Bolivia

Latin America & Caribbean	ower n	niddle i	ncome
	Counti	y data	Lower middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	9	10	2,519
Urban population (% of total)	64	67	39
GNI per capita, World Bank Atlas method (\$)	1,030	1,810	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	4.7	6.4
Adult literacy rate (% ages 15 and older)	91	91	71
Gross primary, secondary, tertiary school enrollment (%)	81		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	25-100	25-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.6	7.3	3.4
Telecommunications investment (% of revenue)	3.8	18.3	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.1	8.5	6.0
Mobile-cellular telephone subscriptions (per 100 people)	26.5	72.3	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.14	0.97	1.04
Households with a computer (%)	12.1	17.0	a 11.3
Households with Internet access at home (%)	3.5	3.9	a 7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)		15.6	
Individuals using the Internet (%)	5.2	20.0	a 13.5
Quality			
Population covered by a mobile-cellular network (%)	46		86
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	84.2	57.1
International Internet bandwidth (bit/s per Internet user)	832a	4,271	4,896
Affordability			
Fixed-telephone sub-basket (\$ a month)		23.7	5.3
Mobile-cellular sub-basket (\$ a month)		11.3	10.7
Fixed-broadband sub-basket (\$ a month) Trade		35.0	32.4
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	3.9	3.4	
ICT service exports (% of total service exports)	7.6	11.8	
Applications	1.0	11.0	21.3
E-government Web measure index (0-1, 1=highest presence)	0.49	0.41	0.31
Secure Internet servers (per million people)	2.4	9.5	
occurs internet doll for thinion poople)	2.7	5.5	5.7

Bosnia and Herzegovina

Europe & Central Asia L	Jpper m	iddle i	ncome
			Upper middle-
	Countr		income
	2005	2010	group 2010
Economic and social context			
Population (millions)	4	4	2,452
Urban population (% of total)	46	49	57
GNI per capita, World Bank Atlas method (\$)	3,000	4,770	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.0	3.2	6.3
Adult literacy rate (% ages 15 and older)	97	98	93
Gross primary, secondary, tertiary school enrollment (%)	69	71	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.2	5.3	2.4
Telecommunications investment (% of revenue)	36.5	19.2	•
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	25.6	26.6	21.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	25.6 42.2	26.6 82.7	21.5 84.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	25.6 42.2 0.36	26.6 82.7 8.18	21.5 84.3 8.34
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	25.6 42.2 0.36 20.0	26.6 82.7 8.18 33.7	21.5 84.3 8.34 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	25.6 42.2 0.36	26.6 82.7 8.18	21.5 84.3 8.34 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	25.6 42.2 0.36 20.0	26.6 82.7 8.18 33.7	21.5 84.3 8.3 ² 35.2 25.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	25.6 42.2 0.36 20.0 6.2 ^a	26.6 82.7 8.18 33.7 18.1	21.5 84.3 8.34 35.2 25.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	25.6 42.2 0.36 20.0 6.2 ^a	26.6 82.7 8.18 33.7 18.1	21.5 84.3 8.34 35.2 3.2 3.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	25.6 42.2 0.36 20.0 6.2 ^a 	26.6 82.7 8.18 33.7 18.1 20.1 113.6	21.5 84.3 8.34 35.2 3.2 3.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	25.6 42.2 0.36 20.0 6.2 ^a 	26.6 82.7 8.18 33.7 18.1 20.1 113.6	21.8 84.3 8.3 ² 35.2 3.2 137.9 34.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0	21.8 84.3 8.34 35.2 25.3 3.2 137.9 34.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	25.6 42.2 0.36 20.0 6.2a 36.3 21.3	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0	21.5 84.3 8.34 35.2 25.3 3.2 137.5 34.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Usag	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9	21.5 84.3 8.34 35.2 25.3 3.2 137.5 34.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9	21.5 84.3 8.3 35.2 3.2 137.5 34.1 99 69.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3 97 7.6 192	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9 15,650 9.3 15.4	21.8 84.3 83.2 35.2 3.2 137.9 34.1 9.9 69.0 9,037
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	25.6 42.2 0.36 20.0 6.2a 36.3 21.3 97 7.6 192	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9 15,650 9.3	21.8 84.3 83.2 35.2 3.2 137.9 34.1 9.9 69.0 9,037
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3 97 7.6 192	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9 15,650 9.3 15.4	21.5 84.3 8.3 35.2 3.2 137.5 34.1 9.6 9.03 9.8 14.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3 97 7.6 192 	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9 15,650 9.3 15.4 14.4	21.5 84.5 8.34 35.2 3.2 137.5 34.1 9.0 9,03 9,03 17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3 97 7.6 192	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9 15,650 9.3 15.4	21.5 84.5 8.34 35.2 3.2 137.5 34.1 9.0 9,03 9,03 17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3 97 7.6 192 	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9 15,650 9.3 15.4 14.4	21.5 84.5 8.34 35.2 3.2 137.5 34.1 9.0 9,03 9,03 17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3 97 7.6 192 	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9 15,650 9.3 15.4 14.4	21.5 84.5 8.34 35.2 3.2 137.5 34.1 9.0 9,03 9,03 17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	25.6 42.2 0.36 20.0 6.2 ^a 36.3 21.3 97 7.6 192 	26.6 82.7 8.18 33.7 18.1 20.1 113.6 52.0 100 58.9 15,650 9.3 15.4 14.4	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9

Botswana

	Upper m	iddle i	ncome
			Upper middle-
	Countr	y data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)	2	2	2,452
Urban population (% of total)	57	61	57
GNI per capita, World Bank Atlas method (\$)	5,070	6,740	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.8	2.4	6.3
Adult literacy rate (% ages 15 and older)	81	84	93
Gross primary, secondary, tertiary school enrollment (%)	72		73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.5	2.4
Telecommunications investment (% of revenue)	40.0	100.0	
· · · · ·	48.9	122.2	•
Sector performance Access	7.3	6.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	7.3	6.8	21.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	7.3 30.1	6.8 117.8	21.5 84.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	7.3 30.1 0.09	6.8 117.8 0.60	21.5 84.3 8.34
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	7.3 30.1 0.09 2.2ª	6.8 117.8 0.60 6.5	21.5 84.3 8.34 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	7.3 30.1 0.09	6.8 117.8 0.60	21.5 84.3 8.34 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	7.3 30.1 0.09 2.2ª	6.8 117.8 0.60 6.5	21.5 84.3 8.3 ² 35.2 25.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	7.3 30.1 0.09 2.2 ^a 0.1 ^a	6.8 117.8 0.60 6.5	21.5 84.3 8.34 35.2 25.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	7.3 30.1 0.09 2.2 ^a 0.1 ^a	6.8 117.8 0.60 6.5 2.8	21.5 84.3 8.34 35.2 3.2 3.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	7.3 30.1 0.09 2.2 ^a 0.1 ^a 45.5 3.3 ^a	6.8 117.8 0.60 6.5 2.8 29.2 6.0	21.5 84.3 8.3 ² 35.2 3.2 137.5 34.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	7.3 30.1 0.09 2.2 ^a 0.1 ^a 	6.8 117.8 0.60 6.5 2.8 	21.5 84.3 8.3 ² 35.2 3.2 137.5 34.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	7.3 30.1 0.09 2.2 ^a 0.1 ^a 45.5 3.3 ^a 99	6.8 117.8 0.60 6.5 2.8 29.2 6.0	21.5 84.3 8.3 ⁴ 35.2 3.2 137.5 34.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.3 30.1 0.09 2.2° 0.1° 45.5 3.3°	6.8 117.8 0.60 6.5 2.8 29.2 6.0	21.5 84.3 8.3 ⁴ 35.2 3.2 137.5 34.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	7.3 30.1 0.09 2.2 ^a 0.1 ^a 45.5 3.3 ^a 99	6.8 117.8 0.60 6.5 2.8 29.2 6.0 99 83.5 6,436	21.5 84.3 8.3 35.2 3.2 137.5 34.1 99 69.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	7.3 30.1 0.09 2.2 ^a 0.1 ^a 45.5 3.3 ^a 99	6.8 117.8 0.60 6.5 2.8 29.2 6.0 99 83.5 6,436	21.5 84.3 8.34 35.2 137.5 34.1 99 69.0 9,03
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	7.3 30.1 0.09 2.2 ^a 0.1 ^a 45.5 3.3 ^a 99 	6.8 117.8 0.60 6.5 2.8 29.2 6.0 99 83.5 6,436 18.7	21.8 84.3 83.2 35.2 3.2 137.9 34.1 9.9 69.0 9,037
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.3 30.1 0.09 2.2 ^a 0.1 ^a 45.5 3.3 ^a 99 490	6.8 117.8 0.60 6.5 2.8 29.2 6.0 99 83.5 6,436	21.8 84.3 83.2 35.2 3.2 137.9 34.1 9.9 69.0 9,037
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	7.3 30.1 0.09 2.2° 0.1° 45.5 3.3° 99 490	6.8 117.8 0.60 6.5 2.8 29.2 6.0 99 83.5 6,436 18.7 13.2 29.7	21.5 84.3 8.3 35.2 25.3 3.2 137.5 34.1 9.6 9.037 9.8 14.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	7.3 30.1 0.09 2.2° 0.1° 45.5 3.3° 99 490	6.8 117.8 0.60 6.5 2.8 29.2 6.0 99 83.5 6,436 18.7 13.2 29.7	21.5 84.5 8.34 35.2 3.2 137.5 34.1 9.0 9,03 9,03 17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	7.3 30.1 0.09 2.2 ^a 0.1 ^a 45.5 3.3 ^a 99 490 0.2 4.7	6.8 117.8 0.600 6.5 2.8 29.2 6.0 99 83.5 6,436 18.7 13.2 29.7	21.5 84.3 8.3 ⁴ 35.2 3.2 137.9 69.0 9,03 14.5 15.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	7.3 30.1 0.09 2.2° 0.1° 45.5 3.3° 99 490	6.8 117.8 0.60 6.5 2.8 29.2 6.0 99 83.5 6,436 18.7 13.2 29.7	21.5 84.3 8.3 ⁴ 35.2 3.2 137.9 69.0 9,03 14.5 15.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	7.3 30.1 0.09 2.2 ^a 0.1 ^a 45.5 3.3 ^a 99 490 0.2 4.7 2.7	6.8 117.8 0.60 6.5 2.8 29.2 6.0 99 83.5 6,436 18.7 13.2 29.7 0.3 3.1 5.5	21.8 84.3 8.34 35.2 137.9 34.1 9.9 69.0 9,03 14.9 15.6 15.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	7.3 30.1 0.09 2.2 ^a 0.1 ^a 45.5 3.3 ^a 99 490 0.2 4.7	6.8 117.8 0.600 6.5 2.8 29.2 6.0 99 83.5 6,436 18.7 13.2 29.7	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99.6 9,037 9.8 14.9 17.6 15.5 15.0 5.8

Brazil

	pper m	iiddle i	ncome
	Countr	v data	Upper middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	186	195	2,452
Urban population (% of total)	84	87	57
GNI per capita, World Bank Atlas method (\$)	3,960	9,390	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.8	4.2	
Adult literacy rate (% ages 15 and older)	90	90	93
Gross primary, secondary, tertiary school enrollment (%)	87	87	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	4.9	2.4
Telecommunications investment (% of revenue)	17.4	13.7	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	21.4	21.6	21.5
Access	21.4 46.4	21.6 104.1	
Access Fixed-telephone subscriptions (per 100 people)			84.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	46.4	104.1	84.3 8.34
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	46.4 1.74	104.1 6.81	84.3 8.34 35.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	46.4 1.74 18.5	104.1 6.81 34.9	84.3 8.34 35.2 25.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	46.4 1.74 18.5	104.1 6.81 34.9	84.3 8.34 35.2 25.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	46.4 1.74 18.5 13.6	104.1 6.81 34.9 27.1	84.3 8.34 35.2 25.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	46.4 1.74 18.5 13.6	104.1 6.81 34.9 27.1	84.3 8.34 35.2 25.1 3.2 137.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	46.4 1.74 18.5 13.6 30.9 21.0	104.1 6.81 34.9 27.1 60.9 40.7	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	46.4 1.74 18.5 13.6 30.9 21.0	104.1 6.81 34.9 27.1 60.9 40.7	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	46.4 1.74 18.5 13.6 30.9 21.0	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	46.4 1.74 18.5 13.6 30.9 21.0	104.1 6.81 34.9 27.1 60.9 40.7	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619 23.0 57.2	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619 23.0 57.2 16.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716 	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619 23.0 57.2 16.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716 	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619 23.0 57.2 16.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716 	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619 23.0 57.2 16.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716 3.1 12.1 2.0	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619 23.0 57.2 16.9 1.0 9.5 2.0	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	46.4 1.74 18.5 13.6 30.9 21.0 88 74.1 716 	104.1 6.81 34.9 27.1 60.9 40.7 100 63.2 12,619 23.0 57.2 16.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8

Brunei Darussalam

	Counti	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.36	0.40	1,127
Urban population (% of total)	74	76	78
GNI per capita, World Bank Atlas method (\$)	23,210	31,800	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	0.0	0.6
Adult literacy rate (% ages 15 and older)	93	95	98
Gross primary, secondary, tertiary school enrollment (%)	84	83	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	P	
Mobile telephone service	М	М	
Internet service	Р	P	
Foreign ownership (percentage allowed)	49	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access	23.1	20.0	44.4
Fixed-telephone subscriptions (per 100 people)		109.1	110.8
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	64.1 2.24	5.44	26.54
	55.0	79.6	
Households with a computer (%) Households with Internet access at home (%)	50.0	79.0	
. ,	50.0	11.5	14.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	36.5	50.0	73.6
Quality	30.3	50.0	13.0
			100
Population covered by a mobile-cellular network (%)	45.2	20.0	96.0
Fixed (wired)-broadband subscriptions (% of total Internet)			
International Internet bandwidth (bit/s per Internet user) Affordability	4,191	23,000	60,241
Fixed-telephone sub-basket (\$ a month)		11.7	21.2
Mobile-cellular sub-basket (\$ a month)		15.7	22.3
Fixed-broadband sub-basket (\$ a month)		50.5	26.3
Trade			
ICT goods exports (% of total goods exports)	0.1		10.4
ICT goods imports (% of total goods imports)	6.1		12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.59	0.68
Secure Internet servers (per million people)	13.8	113.3	1,068.0

Bulgaria

Europe & Central Asia L	Jpper m	iuuie i	IICUIIIC
	Country	y data	Upper middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	8	8	2,45
Urban population (% of total)	70	72	5
GNI per capita, World Bank Atlas method (\$)	3,640	6,280	5,88
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.5	2.6	6.3
Adult literacy rate (% ages 15 and older)	98	98	9.
Gross primary, secondary, tertiary school enrollment (%)	76	78	7.
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р	P	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.0	3.2	2.4
	6.0 34.5	3.2 35.5	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			
Telecommunications revenue (% of GDP)			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	34.5	35.5	21.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	34.5	35.5 29.7	21. 84.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	34.5 32.2 80.7	35.5 29.7 136.1	21. 84. 8.3
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	32.2 80.7 2.14	29.7 136.1 14.52	21. 84. 8.3 35.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	32.2 80.7 2.14 17.9 ^a	29.7 136.1 14.52 35.1	21. 84. 8.3 35.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	32.2 80.7 2.14 17.9 ^a	29.7 136.1 14.52 35.1	21. 84. 8.3 35. 25.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	32.2 80.7 2.14 17.9 ^a 13.3 ^a	29.7 136.1 14.52 35.1 33.1	21. 84. 8.3 35. 25.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9	29.7 136.1 14.52 35.1 33.1	21. 84. 8.3 35. 25.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8	29.7 136.1 14.52 35.1 33.1 7.8 108.9	21. 84. 8.3 35. 25.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8	29.7 136.1 14.52 35.1 33.1 7.8 108.9	21. 84. 8.3 35. 25. 3. 137. 34.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0	35.5 29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2	21. 84. 8.3 35. 25. 3. 137. 34.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0	29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2	21. 84. 8.3 35. 25. 3. 137. 34. 9
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0	29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2 100 99.7	21. 84. 8.3 35. 25. 3. 137. 34. 9
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0	29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2 100 99.7	21. 84. 8.3 35. 25. 3. 137. 34. 9 69. 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 881	29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2 100 99.7 64,192	21.8 84.3 8.3 35.1 25. 3 137.3 34. 9. 69.0 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	32.2 80.7 2.14 17.9a 13.3a 5.9 37.8 20.0 100 80.0 881	29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2 100 99.7 64,192	21 84 8.3 35 25 3 137 34 9 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with accomputer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 881	29.7 136.1 14.52 35.1 7.8 108.9 46.2 100 99.7 64,192 12.5 30.6	21 84 8.3 35 25 3 137 34 9 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 881	29.7 136.1 14.52 35.1 7.8 108.9 46.2 100 99.7 64,192 12.5 30.6	21 84 8.3. 35 25. 3 137 34. 9. 69 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 881	29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2 100 99.7 64,192 12.5 30.6 13.4	21.84 84 8.3. 35 25. 3 137 34. 9. 69 9,03 14 17
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 881	35.5 29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2 100 99.7 64,192 12.5 30.6 13.4 2.5	21.4 84.3 8.3 35.1 25. 3.1 37.1 34. 9.6 9.03 9.1 14.1 15.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods imports)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 881 	35.5 29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2 100 99.7 64,192 12.5 30.6 13.4 2.5 5.6	21.4 84.3 8.3 35.1 25. 3.1 37.1 34. 9.6 9.03 9.1 14.1 15.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	32.2 80.7 2.14 17.9 ^a 13.3 ^a 5.9 37.8 20.0 100 80.0 881 	35.5 29.7 136.1 14.52 35.1 33.1 7.8 108.9 46.2 100 99.7 64,192 12.5 30.6 13.4 2.5 5.6	21.4 84.3 8.35.2 25 3.1 37.9 69.0 9,03 9.1 17.0 15.6

Burkina Faso

Low-

Sub-Saharan Africa Low income

	Countr	v data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)	14	16	796
Urban population (% of total)	18	20	28
GNI per capita, World Bank Atlas method (\$)	390	550	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.1	5.0	5.7
Adult literacy rate (% ages 15 and older)	24		61
Gross primary, secondary, tertiary school enrollment (%)	28	39	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	Р	
Mobile telephone service	С	P	
Internet service	С	P	
Foreign ownership (percentage allowed)	51-100	51-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5		
Telecommunications investment (% of revenue)	55.8		
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	0.6	0.9	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.5	34.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.09	
Households with a computer (%)	1.4	2.1	
Households with Internet access at home (%)	0.0a	0.2	
Usage	0.0	0.2	1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	27.7		
Individuals using the Internet (%)	0.5	1.4	
Quality			
Population covered by a mobile-cellular network (%)	26		
Fixed (wired)-broadband subscriptions (% of total Internet)	4.6	49.4	
International Internet bandwidth (bit/s per Internet user)	1,079	3,474	1,737
Affordability		40.0	
Fixed-telephone sub-basket (\$ a month)		10.9	
Mobile-cellular sub-basket (\$ a month)		21.2	
Fixed-broadband sub-basket (\$ a month)		82.5	54.6
Trade	0.2	0.0	
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	4.5	2.5	
	4.5 2.4	2.5 10.5	
ICT service exports (% of total service exports) Applications	2.4	10.5	
E-government Web measure index (0-1, 1=highest presence)	0.15	0.29	0.20
Secure Internet servers (per million people)	0.13	0.29	
Goodia internet activeta (bei million beobie)	0.1	0.0	0.0

Burundi

Sub-Saharan Africa Low income

	Countr	y data	Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	7	8	796
Urban population (% of total)	10	11	28
GNI per capita, World Bank Atlas method (\$)	100	170	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	4.1	5.7
Adult literacy rate (% ages 15 and older)	59	67	61
Gross primary, secondary, tertiary school enrollment (%)	39	64	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	b		b
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)		3.1	
Telecommunications investment (% of revenue)			
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	0.4a	0.4	a 1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.1	13.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
			0.0
Households with a computer (%)			
Households with Internet access at home (%)			1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		4.0	
Individuals using the Internet (%) Quality	0.5	2.1	5.7
Population covered by a mobile-cellular network (%)	82	83	
Fixed (wired)-broadband subscriptions (% of total Internet)		3.2	
International Internet bandwidth (bit/s per Internet user)	102a	91	a 1,737
Affordability			, -
Fixed-telephone sub-basket (\$ a month)			8.8
Mobile-cellular sub-basket (\$ a month)			13.0
Fixed-broadband sub-basket (\$ a month)			54.6
Trade			0 1.0
ICT goods exports (% of total goods exports)	0.1	0.4	
ICT goods imports (% of total goods imports)	5.6	5.8	
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.18	0.15	0.20
Secure Internet servers (per million people)	0.18	0.15	
Secure internet servers (her million heahie)	0.1	0.1	0.0

Cambodia

East Asia & Pacific Low income

	Country	y data	Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	13	14	796
Urban population (% of total)	20	23	28
GNI per capita, World Bank Atlas method (\$)	460	750	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	9.1	6.4	
Adult literacy rate (% ages 15 and older)	74	78	61
Gross primary, secondary, tertiary school enrollment (%)	60	62	
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	Р	С	
Internet service	Р	С	
Foreign ownership (percentage allowed)	49-100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	5.5	
Telecommunications investment (% of revenue)		69.8	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.2	2.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	8.0	57.7	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.01a	0.25	0.05
Households with a computer (%)	1.8a	4.3	a 2.8
Households with Internet access at home (%)		0.4	a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	11.1		
Individuals using the Internet (%)	0.3	1.3	5.7
Quality			
Population covered by a mobile-cellular network (%)	75	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	86.7	
International Internet bandwidth (bit/s per Internet user) Affordability	425a	28,067	a 1,737
Fixed-telephone sub-basket (\$ a month)		7.4	8.8
Mobile-cellular sub-basket (\$ a month)		6.7	
Fixed-broadband sub-basket (\$ a month)		47.0	
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	
ICT goods imports (% of total goods imports)	2.3	2.5	
ICT service exports (% of total service exports)	3.8	5.5	
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.30	0.19	0.20
Secure Internet servers (per million people)	0.1	2.5	0.8

Cameroon

	ower m	iddle i	ncome
			Lower
	Countr		middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	18	20	2,519
Urban population (% of total)	54	58	39
GNI per capita, World Bank Atlas method (\$)	930	1,200	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.8	2.9	6.4
Adult literacy rate (% ages 15 and older)	71		71
Gross primary, secondary, tertiary school enrollment (%)	53	64	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	b	!	b
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.8	3.4
Telecommunications investment (% of revenue)	28.3		
Sector performance Access	28.3	2.8	6.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.6 12.8	2.8 44.1	71.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.6	2.8	71.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.6 12.8 0.00 3.0	2.8 44.1 0.01 5.4	71.7 1.04 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.6 12.8 0.00	2.8 44.1 0.01	71.7 1.04 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.6 12.8 0.00 3.0	2.8 44.1 0.01 5.4	71.7 a 1.04 a 11.3 a 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.6 12.8 0.00 3.0 1.1 ^a	2.8 44.1 0.01 5.4 1.5	71.7 1.04 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.6 12.8 0.00 3.0 1.1ª	2.8 44.1 0.01 5.4 1.5	71.7 71.7 1.04 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.6 12.8 0.00 3.0 1.1 ^a 	2.8 44.1 0.01 5.4 1.5 5.1 7.0	71.7 71.7 1.04 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.6 12.8 0.00 3.0 1.1 ^a 	2.8 44.1 0.01 5.4 1.5 5.1 7.0	71.7 1.04 11.3 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.6 12.8 0.00 3.0 1.1 ^a 1.6 1.4	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0	71.7 71.7 1.04 11.3 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.6 12.8 0.00 3.0 1.1a 1.6 1.4	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0	71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Usag	0.6 12.8 0.00 3.0 1.1a 1.6 1.4	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0	71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.6 12.8 0.00 3.0 1.1a 1.6 1.4	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0	71.7 71.7 71.7 7.5 6.1 6.1 13.5 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.6 12.8 0.00 3.0 1.1 ^a 1.6 1.4	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0	71.7 71.7 71.7 7.5 11.3 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.6 12.8 0.00 3.0 1.1 ^a 1.6 1.4 54 1.3 630	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0 4.1 411	71.7 71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	0.6 12.8 0.00 3.0 1.1 ^a 1.6 1.4 54 1.3 630	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0 411 15.0 20.1	71.7 71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.6 12.8 0.00 3.0 1.1 ^a 1.6 1.4 54 1.3 630	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0 411 15.0 20.1	71.7 71.7 1.04a 11.3a 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	0.6 12.8 0.00 3.0 1.1a 1.6 1.4 54 1.3 630	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0 411 15.0 20.1 80.2	71.7 71.7 1.04a 11.3a 11.3a 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.6 12.8 0.00 3.0 1.1a 1.6 1.4 54 1.3 630	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0 411 15.0 20.1 80.2	71.7 71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.6 12.8 0.00 3.0 1.1a 1.6 1.4 54 1.3 630 0.0 3.3	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0 4.1 15.0 20.1 80.2 0.0 2.6	71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	0.6 12.8 0.00 3.0 1.1a 1.6 1.4 54 1.3 630 0.0 3.3	2.8 44.1 0.01 5.4 1.5 5.1 7.0 4.0 4.1 15.0 20.1 80.2 0.0 2.6	71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3

Canada

	Countr	y data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	32	34	1,127
Urban population (% of total)	80	81	78
GNI per capita, World Bank Atlas method (\$)	33,110	43,250	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.5	0.9	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)		••	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	C	C	
Foreign ownership (percentage allowed)	47-100	47-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	2.7	2.6
Telecommunications investment (% of revenue)	16.2	19.5	16.3
Sector performance			
Access	56.2	50.0	44.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	52.7	70.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	21.70	29.81	26.54
Households with a computer (%)	72.0	83.9	
Households with Internet access at home (%)	64.3	78.2°	
Usage	0 1.0	10.2	11.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	71.7	81.6	73.6
Quality			
Population covered by a mobile-cellular network (%)	97	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	78.9	93.8	96.0
International Internet bandwidth (bit/s per Internet user)	9,403a	54,039	60,241
Affordability			
Fixed-telephone sub-basket (\$ a month)		19.4	21.2
Mobile-cellular sub-basket (\$ a month)		34.3	22.3
Fixed-broadband sub-basket (\$ a month)		26.2	26.3
Trade	2.0	0.0	10.1
ICT goods exports (% of total goods exports)	3.9	2.8	10.4
ICT goods imports (% of total goods imports)	9.1	8.4	12.5
ICT service exports (% of total service exports)	10.0	11.4	8.1
Applications E-government Web measure index (0.1 1=highest presence)	0.82	0.89	0.68
E-government Web measure index (0-1, 1=highest presence) Secure Internet servers (per million people)	569.1		1,068.0
occure internet servers (her million heahie)	505.1	1,300.0	1,000.0

Cape Verde

	ower m	iddle i	ncome
			Lower middle-
	Country	y data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.47	0.50	2,519
Urban population (% of total)	57	61	,
GNI per capita, World Bank Atlas method (\$)	2,080	3,270	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.2	6.6	
Adult literacy rate (% ages 15 and older)	81	85	71
Gross primary, secondary, tertiary school enrollment (%)		75	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	40	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	7.5	3.9	3.4
Telecommunications investment (% of revenue)	19.1		
Telecommunications investment (% of revenue) Sector performance Access			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	15.1	14.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	15.1 17.3	14.5 75.0	71.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	15.1 17.3 0.20	14.5 75.0 3.22	71.7 1.04
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	15.1 17.3 0.20 6.7 ^a	14.5 75.0 3.22 11.3	71.7 1.04 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	15.1 17.3 0.20	14.5 75.0 3.22	71.7 1.04 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	15.1 17.3 0.20 6.7 ^a	14.5 75.0 3.22 11.3	71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	15.1 17.3 0.20 6.7 ^a 2.0 ^a	14.5 75.0 3.22 11.3 3.5	71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	15.1 17.3 0.20 6.7 ^a 2.0 ^a	14.5 75.0 3.22 11.3 3.5	71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6	14.5 75.0 3.22 11.3 3.5 12.9 65.9	71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6	14.5 75.0 3.22 11.3 3.5 12.9 65.9	71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	15.1 17.3 0.20 6.7a 2.0a 33.8 46.6 6.1	14.5 75.0 3.22 11.3 3.5 12.9 65.9	71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	15.1 17.3 0.20 6.7a 2.0a 33.8 46.6 6.1	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0	71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6 6.1	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0	71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6 6.1	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0	71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6 6.1 85 14.4 487	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0	71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6 6.1 85 14.4	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0 95.7 3,058	71.7 1.04 11.33 11.33 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6 6.1 85 14.4 487	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0 95.7 3,058 8.3 41.6	71.7 1.04 11.33 11.33 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6 6.1 85 14.4 487	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0 95.7 3,058 8.3 41.6	71.7 1.04 11.3a 11.3a 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	15.1 17.3 0.20 6.7ª 2.0ª 33.8 46.6 6.1 85 14.4 487	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0 95.7 3,058 8.3 41.6	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6 6.1 85 14.4 487	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0 95.7 3,058 8.3 41.6 31.5	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6 6.1 85 14.4 487 	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0 95.7 3,058 8.3 41.6 31.5	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	15.1 17.3 0.20 6.7 ^a 2.0 ^a 33.8 46.6 6.1 85 14.4 487 	14.5 75.0 3.22 11.3 3.5 12.9 65.9 30.0 95.7 3,058 8.3 41.6 31.5	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3

Cayman Islands

	Country data		High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.05	0.06	1,127
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6
Adult literacy rate (% ages 15 and older)	99		98
Gross primary, secondary, tertiary school enrollment (%)	66	72	94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance Access	72.7ª	66.4	44.4
Fixed-telephone subscriptions (per 100 people)			
Mobile-cellular telephone subscriptions (per 100 people)	154.9	177.6 33.53	
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	 54.8	33.33 71.9	
	50.7a	66.2	
Households with Internet access at home (%) Usage	30.74	00.2	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	38.0	66.0	73.6
Quality	30.0	00.0	75.0
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)			96.0
International Internet bandwidth (bit/s per Internet user)			60,241
Affordability			00,211
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			20.0
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			0.1
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	784.4	1 902 0	1,068.0
oceare mediaer servers (her minion heathe)	104.4	1,302.9	1,000.0

Central African Republic

Sub-Saharan Africa Low income

	Counti	ry data	Low- income group
•	2005	2010	2010
Economic and social context			
Population (millions)	4	4	796
Urban population (% of total)	38	39	28
GNI per capita, World Bank Atlas method (\$)	340	470	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-1.6	2.8	5.7
Adult literacy rate (% ages 15 and older)	49	55	61
Gross primary, secondary, tertiary school enrollment (%)	31	41	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly) International gateway(s)			
Mobile telephone service	C	C	
Internet service	C		
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)		C	
Sector efficiency and capacity			-
Telecommunications revenue (% of GDP)	1.1	2.9	
Telecommunications investment (% of revenue)		46.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.2	0.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.5	22.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)	0.00	0.00	2.8
Households with Internet access at home (%)			1.6
Usage			1.0
Int'l. voice traffic, total (minutes/subscription/month)		4.5	
Domestic mobile traffic (minutes/subscription/month)		23.9	
Individuals using the Internet (%)	0.3	2.3	
Quality	0.0	2.0	0
Population covered by a mobile-cellular network (%)	19	55	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		
International Internet bandwidth (bit/s per Internet user)	143	378	a 1,737
Affordability			
Fixed-telephone sub-basket (\$ a month)		10.1	
Mobile-cellular sub-basket (\$ a month)		12.9	
Fixed-broadband sub-basket (\$ a month)		1,329.5	54.6
Trade	0.0		
ICT goods exports (% of total goods exports)	0.0	0.0	
ICT goods imports (% of total goods imports)	2.4	6.8	
ICT service exports (% of total service exports)			
Applications	0.14	0.00	0.00
E-government Web measure index (0–1, 1=highest presence)	0.14	0.00	
Secure Internet servers (per million people)	0.2	0.2	0.8

	Countr	y data	Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	10	11	796
Urban population (% of total)	25	28	28
GNI per capita, World Bank Atlas method (\$)	430	620	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	17.2	0.2	5.7
Adult literacy rate (% ages 15 and older)	28	34	61
Gross primary, secondary, tertiary school enrollment (%)	38	46	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С		
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance			
Access	0.1	0.5	1.1
Fixed-telephone subscriptions (per 100 people)	0.1 2.1	23.8	
Mobile-cellular telephone subscriptions (per 100 people)	0.00	0.00	
Fixed (wired)-broadband subscriptions (per 100 people)		0.00	
Households with a computer (%)	••	0.0	
Households with Internet access at home (%) Usage		0.2	1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	••		
Individuals using the Internet (%)	0.4	1.7	 a 5.7
Quality	0.4	1.7	5.1
Population covered by a mobile-cellular network (%)	24		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	3.2	
International Internet bandwidth (bit/s per Internet user)	90	101	
Affordability	30	101	1,131
Fixed-telephone sub-basket (\$ a month)		16.7	8.8
Mobile-cellular sub-basket (\$ a month)		15.4	
Fixed-broadband sub-basket (\$ a month)		11.8	
Trade		11.0	34.0
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.10	0.10	0.20
Secure Internet servers (per million people)	0.10		0.20
occure internet servers (per million people)			0.0

Channel Islands

	Counti	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.15	0.15	1,127
Urban population (% of total)	31	31	78
GNI per capita, World Bank Atlas method (\$)	57,380		38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-1.2		0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)			44.4
Mobile-cellular telephone subscriptions (per 100 people)			110.8
Fixed (wired)-broadband subscriptions (per 100 people)			26.54
Households with a computer (%)			77.1
Households with Internet access at home (%)			74.0
Usage		••	1 1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)			73.6
Quality		••	10.0
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			96.0
International Internet bandwidth (bit/s per Internet user)			60,241
Affordability			,
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)			1,068.0
A Land A			,



Latin America & Caribbean	Upper m	iddle i	ncome
	Countr	y data	Upper middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	16	17	2,452
Urban population (% of total)	88	89	,
GNI per capita, World Bank Atlas method (\$)	5,920	10,120	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.2	3.0	
Adult literacy rate (% ages 15 and older)	96	99	93
Gross primary, secondary, tertiary school enrollment (%)	83	85	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.4
Telecommunications investment (% of revenue)			
Sector performance Access Fixed telephone subscriptions (per 100 people)	21.1	20.2	21.5
Fixed-telephone subscriptions (per 100 people)	64.8	116.0	
Mobile-cellular telephone subscriptions (per 100 people)	4.35	10.45	
Fixed (wired)-broadband subscriptions (per 100 people)			
Households with a computer (%)	30.1a	46.8	
Households with Internet access at home (%) Usage	16.7ª	35.0	a 25.1
Int'l. voice traffic, total (minutes/subscription/month)	3.7	2.3	3.2
Domestic mobile traffic (minutes/subscription/month)	55.9	87.3	137.9
Individuals using the Internet (%)	31.2a	45.0	a 34.1
Quality			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	78.2	98.3	69.0
International Internet bandwidth (bit/s per Internet user) Affordability	2,500a	19,140	9,037
Fixed-telephone sub-basket (\$ a month)		25.0	9.8
		23.7	
Mobile-cellular sub-basket (\$ a month)			
Fixed-broadband sub-basket (\$ a month) Trade		39.4	17.6
	0.1	0.4	15.5
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	6.8	8.2	
	3.1	2.2	
ICT service exports (% of total service exports)	3.1	2.2	5.8
Applications	0.50	0.75	0.46
E-government Web measure index (0-1, 1=highest presence)	0.58	0.75 67.5	
Secure Internet servers (per million people)	21.0	01.5	20.1

China

	pper m	niddle i	ncome
	Occuptor		Upper middle- income
	Countr 2005	2010	group 2010
Formania and assist contact	2005	2010	2010
Economic and social context Population (millions)	1.304	1.338	2.452
Urban population (% of total)	40	45	, -
GNI per capita, <i>World Bank Atla</i> s method (\$)	1,740	4,270	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	9.8	11.1	,
Adult literacy rate (% ages 15 and older)	91	94	
Gross primary, secondary, tertiary school enrollment (%)	67	70	73
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	Р		
Internet service	С		
Foreign ownership (percentage allowed)	49-50	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.0	
Telecommunications investment (% of revenue)	35.9	44.2	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.8	21.9	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	30.1	64.0	84.3
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	30.1 2.86	64.0 9.42	84.3 8.34
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	30.1 2.86 25.0	64.0 9.42 35.4	84.3 8.34 a 35.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	30.1 2.86	64.0 9.42	84.3 8.34 a 35.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	30.1 2.86 25.0 11.0	64.0 9.42 35.4 23.7	84.3 8.34 a 35.2 a 25.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	30.1 2.86 25.0	64.0 9.42 35.4	84.3 8.34 35.2 a 25.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	30.1 2.86 25.0 11.0	64.0 9.42 35.4 23.7	84.3 8.34 35.2 a 25.1 3.2 137.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	30.1 2.86 25.0 11.0 1.3 132.5	64.0 9.42 35.4 23.7 1.3 190.4	84.3 8.34 35.2 a 25.1 3.2 137.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	30.1 2.86 25.0 11.0 1.3 132.5	64.0 9.42 35.4 23.7 1.3 190.4	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Unt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	30.1 2.86 25.0 11.0 1.3 132.5 8.5	64.0 9.42 35.4 23.7 1.3 190.4 34.3	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	30.1 2.86 25.0 11.0 1.3 132.5 8.5	64.0 9.42 35.4 23.7 1.3 190.4 34.3	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	30.1 2.86 25.0 11.0 1.3 132.5 8.5 97 51.2 1,221	64.0 9.42 35.4 23.7 1.3 190.4 34.3 99 93.2 2,389	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	30.1 2.86 25.0 11.0 1.3 132.5 8.5 97 51.2 1,221	64.0 9.42 35.4 23.7 1.3 190.4 34.3 99 93.2 2,389	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	30.1 2.86 25.0 11.0 1.3 132.5 8.5 97 51.2 1,221	64.0 9.42 35.4 23.7 1.3 190.4 34.3 99 93.2 2,389 4.7 6.0	84.3 8.34 35.2 3.2 137.9 34.1 99 69.0 9,037
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	30.1 2.86 25.0 11.0 1.3 132.5 8.5 97 51.2 1,221	64.0 9.42 35.4 23.7 1.3 190.4 34.3 99 93.2 2,389	84.3 8.34 35.2 3.2 137.9 34.1 99 69.0 9,037
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	30.1 2.86 25.0 11.0 1.3 132.5 8.5 97 51.2 1,221	64.0 9.42 35.4 23.7 1.3 190.4 34.3 99 93.2 2,389 4.7 6.0	84.3 8.34 35.2 3.2 137.9 34.1 99.6 9,037 9.8 14.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	30.1 2.86 25.0 11.0 1.3 132.5 8.5 97 51.2 1,221	64.0 9.42 35.4 23.7 1.3 190.4 34.3 99 93.2 2,389 4.7 6.0 17.8	84.3 8.34 35.2 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports)	30.1 2.86 25.0 11.0 1.3 132.5 8.5 97 51.2 1,221 	64.0 9.42 35.4 23.7 1.3 190.4 34.3 99 93.2 2,389 4.7 6.0 17.8	84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037 9.8 14.9 17.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	30.1 2.86 25.0 11.0 1.3 132.5 8.5 97 51.2 1,221 	64.0 9.42 35.4 23.7 1.3 190.4 34.3 99 93.2 2,389 4.7 6.0 17.8 29.1 20.4	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	30.1 2.86 25.0 11.0 1.3 132.5 8.5 97 51.2 1,221 	64.0 9.42 35.4 23.7 1.3 190.4 34.3 99 93.2 2,389 4.7 6.0 17.8 29.1 20.4	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8

Colombia

Latin America & Caribbean	Upper middle income
Latin America & Campbean	opper illiaale ilicoille

	Corret	v data	Upper middle- income
-	Countr 2005	2010	group 2010
Economic and social context			
Population (millions)	43	46	2,452
Urban population (% of total)	74	75	57
GNI per capita, World Bank Atlas method (\$)	2,940	5,510	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.7	4.4	6.3
Adult literacy rate (% ages 15 and older)	93	93	93
Gross primary, secondary, tertiary school enrollment (%)	79	85	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р	P	
Internet service	С	С	
Foreign ownership (percentage allowed)	70	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	4.2	
Telecommunications investment (% of revenue)		17.8	
Sector performance			
Access			
Access Fixed-telephone subscriptions (per 100 people)	17.8	15.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	50.8	96.1	84.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	50.8 0.74	96.1 5.60	84.3 8.34
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	50.8 0.74 14.6	96.1 5.60 26.1	84.3 8.34 35.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	50.8 0.74	96.1 5.60	84.3 8.34 35.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	50.8 0.74 14.6	96.1 5.60 26.1	84.3 8.34 35.2 25.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	50.8 0.74 14.6 6.2	96.1 5.60 26.1 19.3	84.3 8.34 35.2 25.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	50.8 0.74 14.6 6.2 48.4	96.1 5.60 26.1 19.3 323.2	84.3 8.34 35.2 25.1 3.2 137.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	50.8 0.74 14.6 6.2	96.1 5.60 26.1 19.3	84.3 8.34 35.2 25.1 3.2 137.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	50.8 0.74 14.6 6.2 48.4 11.0	96.1 5.60 26.1 19.3 323.2 36.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	50.8 0.74 14.6 6.2 48.4 11.0	96.1 5.60 26.1 19.3 323.2 36.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	50.8 0.74 14.6 6.2 48.4 11.0	96.1 5.60 26.1 19.3 323.2 36.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	50.8 0.74 14.6 6.2 48.4 11.0	96.1 5.60 26.1 19.3 323.2 36.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	50.8 0.74 14.6 6.2 48.4 11.0	96.1 5.60 26.1 19.3 323.2 36.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	50.8 0.74 14.6 6.2 48.4 11.0 82 46.3 4,701	96.1 5.60 26.1 19.3 323.2 36.5 97.0	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	50.8 0.74 14.6 6.2 48.4 11.0 82 46.3 4,701	96.1 5.60 26.1 19.3 323.2 36.5 97.0 10,245	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	50.8 0.74 14.6 6.2 48.4 11.0 82 46.3 4,701	96.1 5.60 26.1 19.3 323.2 36.5 97.0 10,245 5.9 16.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	50.8 0.74 14.6 6.2 48.4 11.0 82 46.3 4,701	96.1 5.60 26.1 19.3 323.2 36.5 97.0 10,245 5.9 16.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	50.8 0.74 14.6 6.2 48.4 11.0 82 46.3 4,701	96.1 5.60 26.1 19.3 323.2 36.5 97.0 10,245 5.9 16.9 35.2	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	50.8 0.74 14.6 6.2 48.4 11.0 82 46.3 4,701 	96.1 5.60 26.1 19.3 323.2 36.5 97.0 10,245 5.9 16.9 35.2	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	50.8 0.74 14.6 6.2 48.4 11.0 82 46.3 4,701 0.2 13.0	96.1 5.60 26.1 19.3 323.2 36.5 97.0 10,245 5.9 16.9 35.2 0.1	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	50.8 0.74 14.6 6.2 48.4 11.0 82 46.3 4,701 0.2 13.0	96.1 5.60 26.1 19.3 323.2 36.5 97.0 10,245 5.9 16.9 35.2 0.1	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8

Comoros

Sub-Saharan Africa Low income

	Countr	y data	Low- income
•	2005	2010	group 2010
Economic and social context			
Population (millions)	0.64	0.74	796
Urban population (% of total)	28	28	28
GNI per capita, World Bank Atlas method (\$)	610	750	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	1.3	5.7
Adult literacy rate (% ages 15 and older)	68	74	61
Gross primary, secondary, tertiary school enrollment (%)	60		
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service		M	
Internet service	М	M	
Foreign ownership (percentage allowed)	c	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	5.2	
Telecommunications investment (% of revenue)	25.6	13.8	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.6	2.9	
Mobile-cellular telephone subscriptions (per 100 people)	2.4	22.5	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	
Households with a computer (%)	3.0	5.7	
Households with Internet access at home (%)	0.8a	2.4	a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%) Quality	3.2	5.1	a 5.7
Population covered by a mobile-cellular network (%)	40		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	4.1	
International Internet bandwidth (bit/s per Internet user)	96	4,430	
Affordability		.,	2,.0.
Fixed-telephone sub-basket (\$ a month)		10.0	8.8
Mobile-cellular sub-basket (\$ a month)		24.3	
Fixed-broadband sub-basket (\$ a month)		387.5	
Trade		00110	0
ICT goods exports (% of total goods exports)	0.0		
ICT goods imports (% of total goods imports)	2.7		
ICT service exports (% of total service exports)	2.1		••
Applications			••
E-government Web measure index (0-1, 1=highest presence)	0.19	0.08	0.20
Secure Internet servers (per million people)	4.7	4.0	
manacastrata (par minion poopla)		1.0	0.0

Congo, Dem. Rep.

Sub-Saharan Africa Low income

	Countr	y data	Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	57	66	796
Urban population (% of total)	32	35	28
GNI per capita, World Bank Atlas method (\$)	120	180	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.4	5.4	5.7
Adult literacy rate (% ages 15 and older)	67	67	61
Gross primary, secondary, tertiary school enrollment (%)	49	54	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	С		
Internet service	С	C	
Foreign ownership (percentage allowed)		70	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.6	4.9	
Telecommunications investment (% of revenue)	89.2	18.6	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.0	0.1	
Mobile-cellular telephone subscriptions (per 100 people)	4.8	17.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	
Households with a computer (%)	0.2a	0.3	
Households with Internet access at home (%)	0.2a	0.3	a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	9.5	3.2	
Domestic mobile traffic (minutes/subscription/month)	51.2	55.1	
Individuals using the Internet (%)	0.2a	0.7	5.7
Quality			
Population covered by a mobile-cellular network (%)	50	50	
Fixed (wired)-broadband subscriptions (% of total Internet)	6.3	11.5	
International Internet bandwidth (bit/s per Internet user)	37	232	1,737
Affordability			
Fixed-telephone sub-basket (\$ a month)			8.8
Mobile-cellular sub-basket (\$ a month)			13.0
Fixed-broadband sub-basket (\$ a month)			54.6
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.22	0.18	
Secure Internet servers (per million people)	0.1	0.2	0.8

Congo, Rep.

	Lower m	iddle i	ncome
			Lower
	Countr		middle- income
	Countr 2005	2010	group 2010
Economic and social context	2000	2010	2010
Population (millions)	4	4	2,51
Urban population (% of total)	60	62	2,31
GNI per capita, World Bank Atlas method (\$)	980	2,240	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	3.7	4.8	6.
Adult literacy rate (% ages 15 and older)			7
Gross primary, secondary, tertiary school enrollment (%)	61		
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service		С	
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7		3.
Telecommunications investment (% of revenue)			
<u> </u>			•
Sector performance Access			6
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.5	0.2	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.5 15.8	0.2 94.0	71.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.5 15.8 0.00	0.2 94.0 0.00	71. 1.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.5 15.8 0.00 1.4	0.2 94.0 0.00 3.8	71. 1.0 a 11.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.5 15.8 0.00	0.2 94.0 0.00	71. 1.0 a 11.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.5 15.8 0.00 1.4 0.5	0.2 94.0 0.00 3.8 3.3	71. 1.0 11. 11.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.5 15.8 0.00 1.4 0.5	0.2 94.0 0.00 3.8	71. 1.0 11. 11.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.5 15.8 0.00 1.4 0.5	0.2 94.0 0.00 3.8 3.3	71. 1.0 11. 11. 11.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.5 15.8 0.00 1.4 0.5	0.2 94.0 0.00 3.8 3.3	71. 1.0 11. 11. 11.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.5 15.8 0.00 1.4 0.5	0.2 94.0 0.00 3.8 3.3	71. 1.0 11. 7. 6.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.5 15.8 0.00 1.4 0.5	0.2 94.0 0.00 3.8 3.3	71. 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.5 15.8 0.00 1.4 0.5 1.5	0.2 94.0 0.00 3.8 3.3	71. 1.0 1.0 11. 7. 6. 4. 13.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	0.5 15.8 0.00 1.4 0.5 1.5	0.2 94.0 0.00 3.8 3.3 5.0	71. 1.0 1.0 11. 7. 6. 4. 13.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.5 15.8 0.00 1.4 0.5 1.5	0.2 94.0 0.00 3.8 3.3 5.0	71. 1.0 11. 11. 6. 13. 8 57. 4,89
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.5 15.8 0.00 1.4 0.5 1.5 39 0.0 19 ^a	0.2 94.0 0.00 3.8 3.3 5.0	71. 1.0 11. 12. 7. 6. 4,89
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.5 15.8 0.00 1.4 0.5 1.5 39 0.0 19 ^a	0.2 94.0 0.00 3.8 3.3 5.0	71. 1.0 11 11 11 6. 6. 13. 8 57. 4,89
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	0.5 15.8 0.00 1.4 0.5 1.5 39 0.0 19 ^a	0.2 94.0 0.00 3.8 3.3 5.0 49	71. 1.0 11. 12. 11. 6. 6. 13. 8 57. 4,89 5.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.5 15.8 0.00 1.4 0.5 1.5 39 0.0 19 ^a	0.2 94.0 0.00 3.8 3.3 5.0 49	71. 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.5 15.8 0.00 1.4 0.5 1.5 39 0.0 19 ^a	0.2 94.0 0.00 3.8 3.3 5.0 49	71. 1.0 1.0 11 7. 6. 4.89 57. 4,89 5. 10. 32.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.5 15.8 0.00 1.4 0.5 1.5 39 0.0 19 ^a	0.2 94.0 0.00 3.8 3.3 5.0 49	71. 1.0 1.0 11 7. 6. 13. 8 57. 4,89 5. 10. 32.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.5 15.8 0.00 1.4 0.5 1.5 39 0.0 19 ^a	0.2 94.0 0.00 3.8 3.3 5.0 	71. 1.0 1.0 11 7. 6. 13. 8 57. 4,89 5. 10. 32.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	0.5 15.8 0.00 1.4 0.5 1.5 39 0.0 19 ^a	0.2 94.0 0.00 3.8 3.3 5.0 	71. 1.00- 113 7.1 6. 8. 57. 4,899 5 10. 32. 8.1

Costa Rica

	vudla niva
Latin America & Caribbean	Upper middle income

		Upper middle-	
	Countr	y data	income group 2010
	2005	2010	
Economic and social context			
Population (millions)	4	5	2,452
Urban population (% of total)	62	64	57
GNI per capita, World Bank Atlas method (\$)	4,680	6,810	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.3	4.0	6.3
Adult literacy rate (% ages 15 and older)	95	96	93
Gross primary, secondary, tertiary school enrollment (%)	74		73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)		_	
International gateway(s)		Р	
Mobile telephone service	M	М	
Internet service	M	P	
Foreign ownership (percentage allowed)	49-77	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity	0.0	0.4	
Telecommunications revenue (% of GDP)	2.3	2.1	2.4
	05.0	40.4	
Telecommunications investment (% of revenue)	25.8	49.1	
Telecommunications investment (% of revenue) Sector performance	25.8	49.1	
Telecommunications investment (% of revenue) Sector performance Access			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	32.2	31.8	21.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	32.2 25.6	31.8 65.1	21.! 84.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	32.2 25.6 1.04	31.8 65.1 6.19	21.! 84.3 8.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	32.2 25.6 1.04 27.0	31.8 65.1 6.19 41.3	21.! 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	32.2 25.6 1.04	31.8 65.1 6.19	21.! 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	32.2 25.6 1.04 27.0 10.2	31.8 65.1 6.19 41.3	21.! 84.3 8.34 35.2 25.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	32.2 25.6 1.04 27.0 10.2	31.8 65.1 6.19 41.3 24.1	21.8 84.3 8.34 35.2 25.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	32.2 25.6 1.04 27.0 10.2 19.2 152.2	31.8 65.1 6.19 41.3 24.1	21.8 84.3 8.34 35.2 25.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	32.2 25.6 1.04 27.0 10.2	31.8 65.1 6.19 41.3 24.1	21.8 84.3 8.34 35.2 25.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1	31.8 65.1 6.19 41.3 24.1 162.0 36.5	21.! 84.3 8.34 35.2 25 3.1 37.!
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1	31.8 65.1 6.19 41.3 24.1 162.0 36.5	21.9 84.3 8.34 35.2 25.3 3.2 34.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6	31.8 65.1 6.19 41.3 24.1 162.0 36.5	21.8 84.3 8.34 35.2 25.3 3.2 137.9 9.69.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1	31.8 65.1 6.19 41.3 24.1 162.0 36.5	21.8 84.3 8.34 35.2 25.3 3.2 137.9 9.69.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6 689	31.8 65.1 6.19 41.3 24.1 162.0 36.5 70 66.2 12,686	21.! 84.3 35.2 25 32. 34 99. 69.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6 689	31.8 65.1 6.19 41.3 24.1 162.0 36.5 70 66.2 12,686	21.5 84.3 8.34 35.2 25.3 3.2 137.5 34.3 99.69.0 9,03
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6 689	31.8 65.1 6.19 41.3 24.1 162.0 36.5 70 66.2 12,686 6.9 3.4	21.8 84.3 8.34 35.2 25.3 32.2 137.9 9.6 9.0 9,03 9.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6 689	31.8 65.1 6.19 41.3 24.1 162.0 36.5 70 66.2 12,686	21.8 84.3 8.34 35.2 25.3 3.2 137.9 69.0 9,03
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6 689	31.8 65.1 6.19 41.3 24.1 162.0 36.5 70 66.2 12,686 6.9 3.4	21.8 84.3 8.34 35.2 25.3 32.1 37.9 69.0 9,037 9.8 14.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6 689	31.8 65.1 6.19 41.3 24.1 162.0 36.5 70 66.2 12,686 6.9 3.4 7.0	21.5 84.3 8.34 35.2 25.3 34.1 99 69.0 9,03 14.5 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6 689	31.8 65.1 6.19 41.3 24.1 162.0 36.5 70 66.2 12,686 6.9 3.4 7.0	21.8 84.3 8.34 35.2 25.3 34.1 99 69.0 9,03 17.6 15.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6 689 	31.8 65.1 6.19 41.3 24.1 162.0 36.5 70 66.2 12,686 6.9 3.4 7.0	21.8 84.3 8.34 35.2 25.3 34.1 99 69.0 9,03 17.6 15.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	32.2 25.6 1.04 27.0 10.2 19.2 152.2 22.1 86 60.6 689 	31.8 65.1 6.19 41.3 24.1 162.0 36.5 70 66.2 12,686 6.9 3.4 7.0	21.8 84.3 8.34 35.2 25.3 32.1 37.9 69.0 9,037 9.8 14.9 17.6 15.8

Côte d'Ivoire

Sub-Saharan Africa L	OWEI III	ncome	
			Lower middle-
	Country data		income group
	2005	2010	2010
Economic and social context			
Population (millions)	18	20	2,519
Urban population (% of total)	47	50	39
GNI per capita, World Bank Atlas method (\$)	870	1,160	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-0.2	2.4	6.4
Adult literacy rate (% ages 15 and older)	49	55	7.
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
ocotor ornorono, una oupaort,			
Telecommunications revenue (% of GDP)	5.0	6.7	3.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	5.0 29.1	6.7 19.3	
Telecommunications investment (% of revenue) Sector performance Access	29.1	19.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	29.1	19.3	6.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	29.1 1.4 13.0	19.3 1.4 76.1	6.0 71.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	1.4 13.0 0.01 ^a	19.3 1.4 76.1 0.04	6.1 71.3 1.04
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.4 13.0 0.01 ^a 1.3	19.3 1.4 76.1 0.04 1.8	6.0 71.3 1.04 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	1.4 13.0 0.01 ^a	19.3 1.4 76.1 0.04	6.0 71. ³ 1.0 ⁴ 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.4 13.0 0.01 ^a 1.3	19.3 1.4 76.1 0.04 1.8	6.0 71.1 3 1.04 3 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.4 13.0 0.01 ^a 1.3	19.3 1.4 76.1 0.04 1.8	6.0 71.7 71.0 9 11.3 7.1 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.4 13.0 0.01 ^a 1.3 0.5	19.3 1.4 76.1 0.04 1.8 1.1	6.0 71.3 3 1.00 3 11.3 4 7.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.4 13.0 0.01 ^a 1.3 0.5	19.3 1.4 76.1 0.04 1.8 1.1	6.0 71.3 3 1.00 3 11.3 4 7.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.4 13.0 0.01 ^a 1.3 0.5	19.3 1.4 76.1 0.04 1.8 1.1	6 71 71 3 1.0.0 3 11 3 7 6 6 13 13 13 13 13 13
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.4 13.0 0.01a 1.3 0.5 106.4 1.0	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6	6 71 1.00 11 13.3 11 13.3 7. 6.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.4 13.0 0.01° 1.3 0.5 106.4 1.0	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6 92	6 71 71 3 10. 71 3 7 6 71 8.6 57
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0	1.4 76.1 0.04 1.8 1.1 44.4 2.6	6 71 71 3 10. 71 3 7 6 71 8.6 57
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0	1.4 76.1 0.04 1.8 1.1 44.4 2.6	6.0 71.1 71.0 71.3 7.9 6.1 7.9 6.1 80 57.1 4,890
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6 92 7,794	6.0 71.1 71.0 7.0 7.0 6.1 7.0 6.1 80 57.1 4,890
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6 92 7,794 19.6	6.0 71.1 71.3 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6 92 7,794 19.6 13.6	6.4 71.3 1.0 3 11.3 7.9 6. 4,890 5.7 4,890
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6 92 7,794 19.6 13.6	6.0 71.1 3 1.0 4 11.3 6.1 6.1 4,890 5.3 10.1 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6 92 7,794 19.6 13.6 40.1	6.0 71.1 3 1.0 4 11.3 6.1 6.1 88 57.1 4,890 5.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6 92 7,794 19.6 13.6 40.1 0.2	6.0 71.7 71.3 11.0 6.3 13.5 6.3 13.5 86 57.7 4,896 5.3 10.7 8.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296 	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6 92 7,794 19.6 13.6 40.1 0.2 3.3	6.0 71.7 71.3 11.0 6.3 13.5 6.3 13.5 86 57.7 4,896 5.3 10.7 8.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296 	19.3 1.4 76.1 0.04 1.8 1.1 44.4 2.6 92 7,794 19.6 13.6 40.1 0.2 3.3	6.0 71 3 1.0.4 3 11 6 6 4,890 5 10 8 10

Croatia

	Countr	Country data		Country data i	
	2005	2010	group 2010		
Economic and social context					
Population (millions)	4	4	1,127		
Urban population (% of total)	57	58	78		
GNI per capita, World Bank Atlas method (\$)	9,730	13,890	38,746		
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.6	0.8	0.6		
Adult literacy rate (% ages 15 and older)	98	99	98		
Gross primary, secondary, tertiary school enrollment (%)	78	80	94		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	C			
Mobile telephone service	С	С			
Internet service	С	С			
Foreign ownership (percentage allowed)	100	100			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	4.9	4.6	2.6		
Telecommunications investment (% of revenue)	14.5	13.4	16.3		
Sector performance Access					
Fixed-telephone subscriptions (per 100 people)	42.4	42.4	44.4		
Mobile-cellular telephone subscriptions (per 100 people)	82.2	144.5	110.8		
Fixed (wired)-broadband subscriptions (per 100 people)	2.62	18.25	26.54		
Households with a computer (%)	32.7	60.0	77.1		
Households with Internet access at home (%)	25.0	56.5	74.0		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)	16.5	14.7			
Domestic mobile traffic (minutes/subscription/month)	65.7	81.2			
Individuals using the Internet (%)	33.1	60.3	73.6		
Quality					
Population covered by a mobile-cellular network (%)	100	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	12.2	45.7	96.0		
International Internet bandwidth (bit/s per Internet user)	3,241	42,920	60,241		
Affordability		47.0	04.0		
Fixed-telephone sub-basket (\$ a month)		17.0	21.2		
Mobile-cellular sub-basket (\$ a month)		17.1	22.3		
Fixed-broadband sub-basket (\$ a month)		18.2	26.3		
Trade	2.0	2.4	10.4		
ICT goods exports (% of total goods exports)	2.6	2.1	10.4		
ICT goods imports (% of total goods imports)	6.1	5.5	12.5		
ICT service exports (% of total service exports)	3.3	3.6	8.1		
Applications	0.57	0.04	0.00		
E-government Web measure index (0-1, 1=highest presence)	0.57 39.6	0.64	0.68		
Secure Internet servers (per million people)	39.6	224.7	1,068.0		

Cuba

Latin America & Caribbean U	pper m	iiddle i	ncome
			Upper middle- income
	Countr		group
	2005	2010	2010
Economic and social context			0.450
Population (millions)	11	11	,
Urban population (% of total)	76	76	
GNI per capita, World Bank Atlas method (\$)	3,960 4.6	5,460	-,
GDP growth, 2000–05 and 2005–10 (avg. annual %)	100	5.0 100	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	86	96	73
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly) International gateway(s)			
Mobile telephone service	M	М	
Internet service	Р	Р	
Foreign ownership (percentage allowed)	49-50	49-50	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9		2.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	7.5		2.4
· · · · · · · · · · · · · · · · · · ·			
Telecommunications investment (% of revenue)			
Telecommunications investment (% of revenue) Sector performance			
Telecommunications investment (% of revenue) Sector performance Access	7.5	10.3	21.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	7.5	10.3	21.5 84.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	7.5 7.6 1.2	10.3	21.5 84.3 8.34
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	7.5 7.6 1.2 0.00	10.3 8.9 0.03	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	7.5 7.6 1.2 0.00 0.2 ^a 0.0	10.3 8.9 0.03 3.4 0.6	21.5 84.3 8.34 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	7.5 7.6 1.2 0.00 0.2 ^a 0.0	10.3 8.9 0.03 3.4 0.6	21.5 84.3 8.34 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	7.5 7.6 1.2 0.00 0.2 ^a 0.0	10.3 8.9 0.03 3.4 0.6	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	7.5 7.6 1.2 0.00 0.2 ^a 0.0	10.3 8.9 0.03 3.4 0.6	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	7.5 7.6 1.2 0.00 0.2a 0.0 26.5 53.0 9.7	10.3 8.9 0.03 3.4 0.6 15.2 29.2	21.5 84.3 8.34 35.2 3 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.5 7.6 1.2 0.00 0.2a 0.0 26.5 53.0 9.7	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.5 7.6 1.2 0.00 0.2a 0.0 26.5 53.0 9.7	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2	21.5 84.3 8.34 35.2 3 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8 95	10.3 8.99 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2 220	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8 95	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2 220	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8 95	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2 220 0.3 33.9	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8 95	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2 220 0.3 33.9	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8 95	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2 220 0.3 33.9 1,752.7	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8 95 0.9	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2 220 0.3 33.9 1,752.7	21.5 84.3 8.34 35.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8 95 0.9 2.6	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2 220 0.3 33.9 1,752.7	21.5 84.3 8.34 35.2 137.9 34.1 99 69.0 9,037 9.8 14.9 15.5 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	7.5 7.6 1.2 0.00 0.2 ^a 0.0 26.5 53.0 9.7 71 5.8 95 0.9 2.6	10.3 8.9 0.03 3.4 0.6 15.2 29.2 15.9 78 9.2 220 0.3 33.9 1,752.7	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037

Curação

	Countr	Country data		ir ountry data	
•	2005	2010	group 2010		
Economic and social context					
Population (millions)	0.13	0.14	1,127		
Urban population (% of total)			78		
GNI per capita, World Bank Atlas method (\$)			38,746		
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)			94		
Sector structure					
Separate telecommunications/ICT regulator					
Status of main fixed-line operator					
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service					
Internet service					
Foreign ownership (percentage allowed)					
Reg. treatment of VoIP (banned, closed, no framework, allowed)					
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)			2.6		
Telecommunications investment (% of revenue)			16.3		
Sector performance					
Access					
Fixed-telephone subscriptions (per 100 people)			44.4		
Mobile-cellular telephone subscriptions (per 100 people)			110.8		
Fixed (wired)-broadband subscriptions (per 100 people)			26.54		
Households with a computer (%)			77.1		
Households with Internet access at home (%)			74.0		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)			73.6		
Individuals using the Internet (%)			13.0		
Quality Population covered by a mobile collular network (%)			100		
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)		••	96.0		
International Internet bandwidth (bit/s per Internet user)		••	60,241		
Affordability			00,241		
Fixed-telephone sub-basket (\$ a month)			21.2		
Mobile-cellular sub-basket (\$ a month)			22.3		
Fixed-broadband sub-basket (\$ a month)			26.3		
Trade			20.5		
ICT goods exports (% of total goods exports)			10.4		
ICT goods imports (% of total goods imports)			12.5		
ICT service exports (% of total service exports)			8.1		
Applications			0.1		
E-government Web measure index (0-1, 1=highest presence)			0.68		
Secure Internet servers (per million people)			1,068.0		
could missing sorrors (por million people)			1,000.0		

Cyprus

	Countr	y data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	1	1	1,127
Urban population (% of total)	69	70	78
GNI per capita, World Bank Atlas method (\$)	21,490	29,430	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	2.4	0.6
Adult literacy rate (% ages 15 and older)	97	98	98
Gross primary, secondary, tertiary school enrollment (%)	78	85	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	Р	
Internet service	С	C	
Foreign ownership (percentage allowed)	d	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.6	2.6
Telecommunications investment (% of revenue)	15.0	18.6	16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.7	37.4	
Mobile-cellular telephone subscriptions (per 100 people)	75.8	93.7	
Fixed (wired)-broadband subscriptions (per 100 people)	3.09	17.62	
Households with a computer (%)	46.0	60.5	
Households with Internet access at home (%)	31.7	53.7	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	57.5	55.3	
Domestic mobile traffic (minutes/subscription/month)	174.0	237.0	
Individuals using the Internet (%)	32.8	53.0	73.6
Quality	400	400	400
Population covered by a mobile-cellular network (%)	100	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	35.0	94.1	
International Internet bandwidth (bit/s per Internet user) Affordability	1,328	51,636	60,241
Fixed-telephone sub-basket (\$ a month)		23.8	21.2
Mobile-cellular sub-basket (\$ a month)		7.7	22.3
Fixed-broadband sub-basket (\$ a month)		20.6	26.3
Trade			
ICT goods exports (% of total goods exports)	25.0	9.1	10.4
ICT goods imports (% of total goods imports)	10.8	4.8	
ICT service exports (% of total service exports)	4.1	2.3	
Applications		0	
E-government Web measure index (0-1, 1=highest presence)	0.60	0.56	0.68
Secure Internet servers (per million people)	175.3		1,068.0
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Czech Republic

	Counti	Country data		Country data	
	2005	2010	group 2010		
Economic and social context					
Population (millions)	10	11	1,127		
Urban population (% of total)	74	74	78		
GNI per capita, World Bank Atlas method (\$)	11,330	17,890	38,746		
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.6	2.3	0.6		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)	81	85	94		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Private	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С				
Mobile telephone service	С	P			
Internet service	С	С			
Foreign ownership (percentage allowed)	100	100			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	3.5	3.4	2.6		
Telecommunications investment (% of revenue)	13.0	11.9	16.3		
Sector performance					
Access	04.5	00.0			
Fixed-telephone subscriptions (per 100 people)	31.5	22.9			
Mobile-cellular telephone subscriptions (per 100 people)	115.2	137.2	110.8		
Fixed (wired)-broadband subscriptions (per 100 people)	6.94 30.0	14.50 64.1	26.54 77.1		
Households with a computer (%) Households with Internet access at home (%)		60.5	74.0		
. ,	19.1	00.5	74.0		
Usage Int'l. voice traffic, total (minutes/subscription/month)	7.4	8.9			
Domestic mobile traffic (minutes/subscription/month)	50.3	84.9			
Individuals using the Internet (%)	35.3	68.8	73.6		
Quality	33.3	00.0	75.0		
Population covered by a mobile-cellular network (%)	100	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	30.1	99.5	96.0		
International Internet bandwidth (bit/s per Internet user)	13,652		60,241		
Affordability	,	,	,		
Fixed-telephone sub-basket (\$ a month)		26.8	21.2		
Mobile-cellular sub-basket (\$ a month)		28.1	22.3		
Fixed-broadband sub-basket (\$ a month)		31.2	26.3		
Trade					
ICT goods exports (% of total goods exports)	11.1	15.0	10.4		
ICT goods imports (% of total goods imports)	11.2	17.8	12.5		
ICT service exports (% of total service exports)	8.8	8.6	8.1		
Applications					
E-government Web measure index (0-1, 1=highest presence)	0.67	0.54	0.68		
Secure Internet servers (per million people)	41.5	387.3	1,068.0		

Denmark

	Countr	Country data		ا in Country data	
	2005	2010	group 2010		
Economic and social context					
Population (millions)	5	6	1,127		
Urban population (% of total)	86	87	78		
GNI per capita, World Bank Atlas method (\$)	48,590	59,400	38,746		
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.2	-0.6	0.6		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)	103	99	94		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Private	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	C			
Mobile telephone service	Р	Р			
Internet service	C	C			
Foreign ownership (percentage allowed)	100	100			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	2.6	2.3	2.6		
Telecommunications investment (% of revenue)	17.2	17.5	16.3		
Sector performance					
Access	04.0	47.4	44.4		
Fixed-telephone subscriptions (per 100 people)	61.8	47.4	44.4		
Mobile-cellular telephone subscriptions (per 100 people)	100.5 24.80	124.7 37.70	110.8 26.54		
Fixed (wired)-broadband subscriptions (per 100 people)		88.0			
Households with lateract access at home (%)	84.0 74.9	86.1	77.1 74.0		
Households with Internet access at home (%)	14.9	00.1	74.0		
Usage Int'l. voice traffic, total (minutes/subscription/month)		18.1			
Domestic mobile traffic (minutes/subscription/month)	99.1	129.2			
Individuals using the Internet (%)	82.7	88.7	73.6		
Quality	02.1	00.1	13.0		
Population covered by a mobile-cellular network (%)			100		
Fixed (wired)-broadband subscriptions (% of total Internet)	74.3	96.6	96.0		
International Internet bandwidth (bit/s per Internet user)		142,158			
Affordability	42,020	142,130	00,241		
Fixed-telephone sub-basket (\$ a month)		27.8	21.2		
Mobile-cellular sub-basket (\$ a month)		9.8	22.3		
Fixed-broadband sub-basket (\$ a month)		43.9	26.3		
Trade					
ICT goods exports (% of total goods exports)	7.1	3.6	10.4		
ICT goods imports (% of total goods imports)	12.4	7.9	12.5		
ICT service exports (% of total service exports)			8.1		
Applications					
E-government Web measure index (0-1, 1=highest presence)	0.91	0.86	0.68		
Secure Internet servers (per million people)	411.3	2,184.6	1,068.0		

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Middle East & North Africa Lower middle inco				
- Last & Hortii Allica L	OWEI II	iiuule II	Lower	
			middle-	
	Countr	y data	income group	
	2005	2010	2010	
Economic and social context				
Population (millions)	0.81	0.89	2,519	
Urban population (% of total)	86	88	39	
GNI per capita, World Bank Atlas method (\$)	990	1,270	1,623	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.0	5.2	6.4	
Adult literacy rate (% ages 15 and older)			71	
Gross primary, secondary, tertiary school enrollment (%)	25	30		
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)				
Mobile telephone service				
Internet service	М	М		
Foreign ownership (percentage allowed)				
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	4.8	5.7	3.4	
Telecommunications investment (% of revenue)	25.6	14.3		
totodominamoutions invostrione (% of revenue)	20.0	14.0		
Sector performance				
	1.2	2.1	6.0	
Fixed-telephone subscriptions (per 100 people)	1.3	2.1		
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	5.4	18.6	71.7	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	5.4 0.01	18.6 0.91	71.7 1.04	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	5.4 0.01 6.8	18.6 0.91 13.0	71.7 1.04 11.3	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	5.4 0.01	18.6 0.91	71.7 1.04 11.3	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	5.4 0.01 6.8	18.6 0.91 13.0	71.7 1.04 11.3 7.5	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	5.4 0.01 6.8 0.6	18.6 0.91 13.0 2.2	71.7 1.04 11.3 7.5	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	5.4 0.01 6.8 0.6	18.6 0.91 13.0 2.2	71.7 1.04 11.3 7.5 6.1	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	5.4 0.01 6.8 0.6	18.6 0.91 13.0 2.2 124.9 32.0	71.7 1.04 11.3 7.5 6.1	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	5.4 0.01 6.8 0.6	18.6 0.91 13.0 2.2 124.9 32.0	71.7 1.04 11.3 7.5 6.1	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	5.4 0.01 6.8 0.6 50.2 1.0	18.6 0.91 13.0 2.2 124.9 32.0 6.5	71.7 1.04 11.3 7.5 6.1 13.5	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	5.4 0.01 6.8 0.6 50.2 1.0	18.6 0.91 13.0 2.2 124.9 32.0 6.5	71.7 1.04 11.3 7.5 6.1 13.5 86	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	5.4 0.01 6.8 0.6 50.2 1.0	18.6 0.91 13.0 2.2 124.9 32.0 6.5 90 67.9	71.7 1.04 11.3 7.5 6.1 13.5 86	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	5.4 0.01 6.8 0.6 50.2 1.0	18.6 0.91 13.0 2.2 124.9 32.0 6.5 90 67.9	71.7 1.04 11.3 11.3 7.5 6.1 13.5 86 57.1 4,896	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	5.4 0.01 6.8 0.6 50.2 1.0 75 1.2 5,838	18.6 0.91 13.0 2.2 124.9 32.0 6.5 90 67.9 14,489	71.7 1.04 11.3 11.3 7.5 6.1 13.5 86 57.1 4,896	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Busage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	5.4 0.01 6.8 0.6 50.2 1.0 75 1.2 5,838	18.6 0.91 13.0 2.2 124.9 32.0 6.5 90 67.9 14,489	71.7 1.04 11.33 11.35 6.1 13.5 86 57.1 4,896	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	5.4 0.01 6.8 0.6 50.2 1.0 75 1.2 5,838	18.6 0.91 13.0 2.2 124.9 32.0 6.5 90 67.9 14,489 8.3 14.9 55.8	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	5.4 0.01 6.8 0.6 50.2 1.0 75 1.2 5,838	18.6 0.91 13.0 2.2 124.9 32.0 6.5 90 67.9 14,489 8.3 14.9 55.8	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	5.4 0.01 6.8 0.6 50.2 1.0 75 1.2 5,838 	18.6 0.91 13.0 2.2 124.9 32.0 6.5 90 67.9 14,489 8.3 14.9 55.8	1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT georice exports (% of total service exports)	5.4 0.01 6.8 0.6 50.2 1.0 75 1.2 5,838	18.6 0.91 13.0 2.2 124.9 32.0 6.5 90 67.9 14,489 8.3 14.9 55.8	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications E-government Web measure index (0-1, 1-highest presence)	5.4 0.01 6.8 0.6 50.2 1.0 75 1.2 5,838 	18.6 0.91 13.0 2.2 124.9 32.0 6.5 90 67.9 14,489 8.3 14.9 55.8	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	

Dominica

			Upper
	Countr	y data	middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.07	0.07	2,452
Urban population (% of total)	73	75	
GNI per capita, World Bank Atlas method (\$)	5,210	6,740	,
GDP growth, 2000–05 and 2005–10 (avg. annual %)	2.1	3.5	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)		73	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	М	С	
Internet service		С	
Foreign ownership (percentage allowed)	49-50		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.2	7.9	2.4
Telecommunications investment (% of revenue)		12.5	
<u> </u>		12.5	
Telecommunications investment (% of revenue) Sector performance Access		12.5	•
Sector performance	27.6	12.5 22.9	
Sector performance Access			21.! 84.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	27.6	22.9	21.! 84.3 8.34
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	27.6 75.4	22.9 155.8	21.! 84.3 8.34 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	27.6 75.4 4.93	22.9 155.8 13.86	21.5 84.3 8.34 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	27.6 75.4 4.93 	22.9 155.8 13.86 	21.! 84.3 8.34 35.2 25.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	27.6 75.4 4.93 	22.9 155.8 13.86 	21.8 84.3 8.34 35.2 25.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	27.6 75.4 4.93 	22.9 155.8 13.86 14.6 58.4	21.8 84.3 8.34 35.2 25.3 3.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	27.6 75.4 4.93 	22.9 155.8 13.86 	21.8 84.3 8.34 35.2 25.3 3.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	27.6 75.4 4.93 	22.9 155.8 13.86 14.6 58.4 47.5	21.! 84.3 8.34 35.2 25 3.1 37.!
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	27.6 75.4 4.93 38.5	22.9 155.8 13.86 14.6 58.4 47.5	21.! 84.3 8.34 35.2 25 3.1 37.! 34
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	27.6 75.4 4.93 	22.9 155.8 13.86 14.6 58.4 47.5	21.8 84.3 8.34 35.2 25.3 3.2 137.9 9.6 9.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	27.6 75.4 4.93 38.5 54.0 1,432	22.9 155.8 13.86 14.6 58.4 47.5 90 98.9 67,028	21.! 84.3 35.2 25 3.2 137.! 34 99. 69.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	27.6 75.4 4.93 38.5 54.0 1,432	22.9 155.8 13.86 14.6 58.4 47.5 90 98.9 67,028	21.5 84.3 8.34 35.2 25.3 3.2 137.5 34.3 99.69.0 9,03
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	27.6 75.4 4.93 38.5 54.0 1,432	22.9 155.8 13.86 14.6 58.4 47.5 90 98.9 67,028	21.4 84.3 8.3 35.2 25.3 3.2 137.9 69.0 9,03
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	27.6 75.4 4.93 38.5 54.0 1,432	22.9 155.8 13.86 14.6 58.4 47.5 90 98.9 67,028	21.4 84.3 8.3 35.2 25.3 3.2 137.9 69.0 9,03
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	27.6 75.4 4.93 38.5 54.0 1,432	22.9 155.8 13.86 14.6 58.4 47.5 90 98.9 67,028	21.9 84.3 35.2 25.3 3.2 34.3 99 69.0 9,03
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	27.6 75.4 4.93 38.5 54.0 1,432 	22.9 155.8 13.86 14.6 58.4 47.5 90 98.9 67,028 10.7 14.5 47.8	21.9 84.3 8.3 35.2 25.3 137.9 34.1 9,03 9,03 14.9 17.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	27.6 75.4 4.93 38.5 54.0 1,432 	22.9 155.8 13.86 14.6 58.4 47.5 90 98.9 67,028 10.7 14.5 47.8	21.3 84.3 8.3 35.2 25. 3.3 137.9 9.0 9,03 9.1 14.9 15.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	27.6 75.4 4.93 38.5 54.0 1,432 	22.9 155.8 13.86 14.6 58.4 47.5 90 98.9 67,028 10.7 14.5 47.8	21.3 84.3 8.3 35.2 25. 3.3 137.9 9.0 9,03 9.1 14.9 15.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	27.6 75.4 4.93 38.5 54.0 1,432 	22.9 155.8 13.86 14.6 58.4 47.5 90 98.9 67,028 10.7 14.5 47.8	21.8 84.3 8.34 35.2 25.3 32.3 137.9 9.9 69.0 9,037 14.9 17.6 15.8

Dominican Republic

Latin America & Caribbean	Upper m	iddle i	ncome
	Countr	y data	Upper middle- income group
	2005	2010	2010
Economic and social context			
Population (millions)	9	10	2,452
Urban population (% of total)	67	71	,
GNI per capita, World Bank Atlas method (\$)	2,900	5,030	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	6.7	6.3
Adult literacy rate (% ages 15 and older)	88		93
Gross primary, secondary, tertiary school enrollment (%)	73		73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	No	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	0.4 192.0	2.2 17.3	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.7	10.2	
Mobile-cellular telephone subscriptions (per 100 people)	39.1	89.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.65	3.63	
Households with a computer (%)	8.7	16.4	
Households with Internet access at home (%)	3.1	7.6	a 25.1
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		30.2	
Domestic mobile traffic (minutes/subscription/month)		84.1	
Individuals using the Internet (%) Quality	11.5	39.5	34.1
Population covered by a mobile-cellular network (%)		81	99
Fixed (wired)-broadband subscriptions (% of total Internet)	45.1	94.9	
International Internet bandwidth (bit/s per Internet user)	2,914a	10,193	
Affordability	2,014	10,133	5,051
Fixed-telephone sub-basket (\$ a month)		15.5	9.8
Mobile-cellular sub-basket (\$ a month)		15.6	
Fixed-broadband sub-basket (\$ a month)		19.0	
Fixed-broadband sub-basket (\$ a month) Trade		19.0	11.0
	7.1	2.3	15.5
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	4.3	4.8	

5.8

0.46

20.1

3.4

0.49

5.6

4.5

0.54

20.3

ICT service exports (% of total service exports)

Secure Internet servers (per million people)

E-government Web measure index (0-1, 1=highest presence)

Applications

Ecuador

	pper m	iddle i	ncome
			Upper middle- income
	Countr	-	group
	2005	2010	2010
Economic and social context Population (millions)	13	14	2.452
Urban population (% of total)	64	67	, -
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,620	3,850	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.6	3.6	,
Adult literacy rate (% ages 15 and older)	84	84	
Gross primary, secondary, tertiary school enrollment (%)	79	82	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8		2.4
Telecommunications investment (% of revenue)			
Sector performance			
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.5	14.4	21.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	12.5 46.5	14.4 102.2	21.5 84.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.5 46.5 0.20	14.4 102.2 1.37	21.5 84.3 8.34
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.5 46.5 0.20 17.9	14.4 102.2 1.37 27.0	21.5 84.3 8.34 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.5 46.5 0.20	14.4 102.2 1.37	21.5 84.3 8.34 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.5 46.5 0.20 17.9	14.4 102.2 1.37 27.0	21.5 84.3 8.34 35.2 25.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.5 46.5 0.20 17.9 2.5	14.4 102.2 1.37 27.0 11.5	21.5 84.3 8.34 35.2 25.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.5 46.5 0.20 17.9 2.5	14.4 102.2 1.37 27.0 11.5	21.5 84.3 8.34 35.2 25.1 3.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.5 46.5 0.20 17.9 2.5	14.4 102.2 1.37 27.0 11.5 5.3	21.5 84.3 8.34 35.2 25.1 3.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.5 46.5 0.20 17.9 2.5	14.4 102.2 1.37 27.0 11.5 5.3	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.5 46.5 0.20 17.9 2.5 6.0a	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.5 46.5 0.20 17.9 2.5 6.0a	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.5 46.5 0.20 17.9 2.5 6.0 ^a 80 19.5 2,485	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0 93 40.8 8,254	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.5 46.5 0.20 17.9 2.5 6.0 ^a 80 19.5 2,485	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0 93 40.8 8,254	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 95 69.0 9,037
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.5 46.5 0.20 17.9 2.5 6.0 ^a 80 19.5 2,485	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0 93 40.8 8,254	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	12.5 46.5 0.20 17.9 2.5 6.0 ^a 80 19.5 2,485	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0 93 40.8 8,254 14.1 13.8	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.5 46.5 0.20 17.9 2.5 6.0 ^a 80 19.5 2,485	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0 93 40.8 8,254 14.1 13.8	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	12.5 46.5 0.20 17.9 2.5 6.0 ^a 80 19.5 2.485	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0 93 40.8 8,254 14.1 13.8 20.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports)	12.5 46.5 0.20 17.9 2.5 6.0 ^a 80 19.5 2,485	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0 93 40.8 8,254 14.1 13.8 20.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT goods imports (% of total goods imports)	12.5 46.5 0.20 17.9 2.5 6.0 ^a 80 19.5 2.485 	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0 93 40.8 8,254 14.1 13.8 20.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade CT goods exports (% of total goods exports) CT goods imports (% of total service exports)	12.5 46.5 0.20 17.9 2.5 6.0 ^a 80 19.5 2.485 	14.4 102.2 1.37 27.0 11.5 5.3 134.4 29.0 93 40.8 8,254 14.1 13.8 20.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8

Egypt, Arab Rep.

Middle	Fast	& Nori	th A	trica

Lower middle income

			Lower middle- income
	Countr 2005	y data 2010	group 2010
	2005	2010	2010
Economic and social context	7.4	0.1	0.540
Population (millions)	74	81	,
Urban population (% of total)	43	43	
GNI per capita, World Bank Atlas method (\$)	1,250	2,420	,
GDP growth, 2000–05 and 2005–10 (avg. annual %)	3.4	6.2	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	71 74		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)	WIIACU	WIIACU	
International gateway(s)	М	Р	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.2	3.4
Telecommunications investment (% of revenue)	29.2	50.7	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	14.1	11.9	
Mobile-cellular telephone subscriptions (per 100 people)	18.4	87.1	
Fixed (wired)-broadband subscriptions (per 100 people)	0.19	1.79	
Households with a computer (%)		34.0	
Households with Internet access at home (%)	15.3	31.2	7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	8.2	6.4	
Domestic mobile traffic (minutes/subscription/month)	32.5	119.6	
Individuals using the Internet (%)	11.7	26.7	13.5
Quality			
Population covered by a mobile-cellular network (%)	92	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	5.5	68.5	
International Internet bandwidth (bit/s per Internet user)	287	6,591	4,896
Affordability			
Fixed-telephone sub-basket (\$ a month)		2.9	
Mobile-cellular sub-basket (\$ a month)		7.0	
Fixed-broadband sub-basket (\$ a month)		8.0	32.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	
ICT goods imports (% of total goods imports)	4.4	3.7	
ICT service exports (% of total service exports) Applications	2.6	4.2	27.9
E-government Web measure index (0-1, 1=highest presence)	0.48	0.60	0.31
Secure Internet servers (per million people)	0.40	3.0	
Coodio internet servers (per million people)	0.5	3.0	3.4

El Salvador

Latin America & Caribbean	Lower m	iddle i	ncome
	Countr	v data	Lower middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	6	6	2,519
Urban population (% of total)	60	61	,
GNI per capita, World Bank Atlas method (\$)	2,820	3,380	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.3	1.2	
Adult literacy rate (% ages 15 and older)	84	84	71
Gross primary, secondary, tertiary school enrollment (%)	72	71	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.5	3.4
Telecommunications investment (% of revenue)	13.6	165.8	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	16.1	16.2	6.0
Mobile-cellular telephone subscriptions (per 100 people)	39.9	124.3	
Fixed (wired)-broadband subscriptions (per 100 people)	0.70	2.83	
Households with a computer (%)	7.4	13.3	
Households with Internet access at home (%)	2.1	8.0	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		23.7	6.1
Domestic mobile traffic (minutes/subscription/month)	33.2		
Individuals using the Internet (%)	4.2a	15.9	a 13.5
Quality			
Population covered by a mobile-cellular network (%)	95		86
Fixed (wired)-broadband subscriptions (% of total Internet)	33.2	99.3	57.1
International Internet bandwidth (bit/s per Internet user) Affordability	610a	1,523	4,896
Fixed-telephone sub-basket (\$ a month)		10.2	5.3
Mobile-cellular sub-basket (\$ a month)		9.5	
Fixed-broadband sub-basket (\$ a month)		24.9	
Trade		27.3	52.5
ICT goods exports (% of total goods exports)	0.2	0.3	8.3
ICT goods imports (% of total goods imports)	3.6	5.6	
ICT service exports (% of total service exports)	13.4	17.7	
Applications	10.7	11.1	21.0
E-government Web measure index (0-1, 1=highest presence)	0.50	0.67	0.31
Secure Internet servers (per million people)	6.1	16.9	
manacontoro (por minori poopio)	0.1	10.0	0.5

Equatorial Guinea

	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.61	0.70	1,127
Urban population (% of total)	39	40	78
GNI per capita, World Bank Atlas method (\$)	5,220	14,550	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	25.9	8.9	0.6
Adult literacy rate (% ages 15 and older)	87	93	98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service		C	
Internet service	М	C	
Foreign ownership (percentage allowed)		1-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	1.6	1.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	15.9	57.0	
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.17	26.54
Households with a computer (%)	0.00	0.11	77.1
Households with Internet access at home (%)			74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	1.1	6.0	73.6
Quality	1.1	0.0	70.0
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)	15.0		96.0
International Internet bandwidth (bit/s per Internet user)	2,404	4,069	
Affordability	2,101	1,000	00,211
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			20.0
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			0.1
E-government Web measure index (0-1, 1=highest presence)	0.29	0.10	0.68
Secure Internet servers (per million people)	0.23	2.8	
Coours internet servers (per minion people)		2.0	1,000.0

Eritrea

Sub-Saharan Africa Low income

Low-

	Country data		Low- income	
	2005	2010	group 2010	
Economic and social context				
Population (millions)	4	5	796	
Urban population (% of total)	19	22	28	
GNI per capita, World Bank Atlas method (\$)	250	340	530	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.9	-1.3	5.7	
Adult literacy rate (% ages 15 and older)	53	67	61	
Gross primary, secondary, tertiary school enrollment (%)	33	28		
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	М	M		
Mobile telephone service	Р	P		
Internet service	Р	P)	
Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)	 B	 B		
Contra officiones and consolts				
Sector efficiency and capacity Telecommunications revenue (% of GDP)	3.1	3.2		
Telecommunications revenue (% of revenue)	57.6	70.0		
	37.0	70.0	·	
Sector performance Access				
Fixed-telephone subscriptions (per 100 people)	0.8	1.0	1.1	
Mobile-cellular telephone subscriptions (per 100 people)	0.9	3.5		
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00		
Households with a computer (%)	0.2	0.3		
Households with Internet access at home (%)	0.2a	0.3	a 1.6	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)		44.9		
Domestic mobile traffic (minutes/subscription/month)	81.4	87.2		
Individuals using the Internet (%)	1.8	5.4	5.7	
Quality Population covered by a mobile-cellular network (%)	2	90		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	1.7		
International Internet bandwidth (bit/s per Internet user) Affordability	75	106	1,737	
Fixed-telephone sub-basket (\$ a month)			8.8	
Mobile-cellular sub-basket (\$ a month)			40.0	
Fixed-broadband sub-basket (\$ a month)			F40	
Trade				
ICT goods exports (% of total goods exports)	0.2			
ICT goods imports (% of total goods imports)	3.0			
ICT service exports (% of total service exports)				
Applications	•			
E-government Web measure index (0-1, 1=highest presence)	0.20	0.21	0.20	
Secure Internet servers (per million people)			0.8	

Estonia

	Counti	Country data		Country data		Country data i	
	2005	2010	group 2010				
Economic and social context							
Population (millions)	1	1	1,127				
Urban population (% of total)	69	70	78				
GNI per capita, World Bank Atlas method (\$)	9,760	14,460	38,746				
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.0	-1.3	0.6				
Adult literacy rate (% ages 15 and older)	100	100	98				
Gross primary, secondary, tertiary school enrollment (%)	93	89	94				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line operator	Mixed	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	С						
Mobile telephone service	С	C					
Internet service	С	С					
Foreign ownership (percentage allowed)	100	100					
$\label{eq:Reg.} \textit{Reg. treatment of VoIP (banned, closed, no framework, allowed)}$	Α	A					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	5.5	4.9	2.6				
Telecommunications investment (% of revenue)	8.2	9.2	16.3				
Sector performance Access							
Fixed-telephone subscriptions (per 100 people)	32.8	36.0					
Mobile-cellular telephone subscriptions (per 100 people)	107.4	123.2					
Fixed (wired)-broadband subscriptions (per 100 people)	13.31	25.08					
Households with a computer (%)	43.0	69.2					
Households with Internet access at home (%)	38.7	67.8	74.0				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)	6.9	9.6					
Domestic mobile traffic (minutes/subscription/month)	75.0	122.7					
Individuals using the Internet (%) Quality	61.5	74.1	73.6				
Population covered by a mobile-cellular network (%)	99	100	100				
Fixed (wired)-broadband subscriptions (% of total Internet)	91.0	99.6	96.0				
International Internet bandwidth (bit/s per Internet user)	5,804	23,144					
Affordability							
Fixed-telephone sub-basket (\$ a month)		11.5					
Mobile-cellular sub-basket (\$ a month)		22.3	22.3				
Fixed-broadband sub-basket (\$ a month)		21.0	26.3				
Trade							
ICT goods exports (% of total goods exports)	17.0	7.8					
ICT goods imports (% of total goods imports)	13.0	9.5	12.5				
ICT service exports (% of total service exports)	4.1	8.9	8.1				
Applications							
E-government Web measure index (0-1, 1=highest presence)	0.76	0.82					
Secure Internet servers (per million people)	101.8	533.6	1,068.0				

Ethiopia

Sub-Saharan Africa Low income

	Country data		Low-
	2005	2010	group 2010
Economic and social context			
Population (millions)	74	83	796
Urban population (% of total)	16	18	28
GNI per capita, World Bank Atlas method (\$)	160	390	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.6	10.4	5.7
Adult literacy rate (% ages 15 and older)	36	30	61
Gross primary, secondary, tertiary school enrollment (%)	44	55	
Sector structure			
Separate telecommunications/ICT regulator	Yes	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Μ	M	
Mobile telephone service	Μ	M	
Internet service	Μ	M	
Foreign ownership (percentage allowed)	0	0	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.5	
Telecommunications investment (% of revenue)	82.1		
Sector performance			
Access	0.0		
Fixed-telephone subscriptions (per 100 people)	0.8	1.1	
Mobile-cellular telephone subscriptions (per 100 people)	0.6	8.3	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00a	0.00	
Households with a computer (%)	0.2	1.4	
Households with Internet access at home (%)	0.0a	0.3	a 1.6
Usage	10.5	- 4	
Int'l. voice traffic, total (minutes/subscription/month)	13.5	5.4	
Domestic mobile traffic (minutes/subscription/month)	90.9	111.5	
Individuals using the Internet (%) Quality	0.2	0.8	5.7
Population covered by a mobile-cellular network (%)	10		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	5.7	
International Internet bandwidth (bit/s per Internet user)	356a	5,357	1,737
Affordability		,,,,,	, -
Fixed-telephone sub-basket (\$ a month)		1.0	8.8
Mobile-cellular sub-basket (\$ a month)		4.1	
Fixed-broadband sub-basket (\$ a month)		294.5	54.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	
ICT goods imports (% of total goods imports)	7.0	8.4	
ICT service exports (% of total service exports)	4.1	4.5	
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.19	0.47	0.20
Secure Internet servers (per million people)	0.0	0.2	
			2.0

Faeroe Islands

	Countr	y data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.05	0.05	1,127
Urban population (% of total)	40	43	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5		2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access	40.4		
Fixed-telephone subscriptions (per 100 people)	49.4	41.4	44.4
Mobile-cellular telephone subscriptions (per 100 people)	87.1	122.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	12.16	33.40	26.54
Households with a computer (%)			77.1
Households with Internet access at home (%)			74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	70.4		
Domestic mobile traffic (minutes/subscription/month)	73.1	82.1	70.0
Individuals using the Internet (%)	67.9	75.2	73.6
Quality	400	100	100
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	99.4	96.0
International Internet bandwidth (bit/s per Internet user)	4,883		60,241
Affordability			04.0
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month) Trade			26.3
	0.0	0.0	10.4
ICT goods exports (% of total goods exports)	0.0	0.0	10.4
ICT goods imports (% of total goods imports)	4.3	4.3	12.5
ICT service exports (% of total service exports)	2.8		8.1
Applications			0.00
E-government Web measure index (0-1, 1=highest presence)	62.0		0.68
Secure Internet servers (per million people)	62.6	923.9	1,068.0



East Asia & Pacific L	ower middle incom		
	Country	y data	Lower middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.82	0.86	2,519
Urban population (% of total)	51	53	,
GNI per capita, World Bank Atlas method (\$)	3,590	3,630	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	0.1	
Adult literacy rate (% ages 15 and older)			71
Gross primary, secondary, tertiary school enrollment (%)	78		
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	М	С	
Internet service		С	
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7		3.4
Telecommunications investment (% of revenue)	20.2		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.7a	15.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	24.9	81.1	
Fixed (wired)-broadband subscriptions (per 100 people)	0.85	2.70	
Households with a computer (%)	13.0	26.8	a 11.3
Households with Internet access at home (%)	8.0	18.8	a 7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	8.5	14.8	a 13.5
Quality			
Population covered by a mobile-cellular network (%)	60		86
Fixed (wired)-broadband subscriptions (% of total Internet)	52.6	59.6	
International Internet bandwidth (bit/s per Internet user)	1,035	4,900	a 4,896
Affordability			
		7.8	5.3
Fixed-telephone sub-basket (\$ a month)			
Mobile-cellular sub-basket (\$ a month)		18.8	
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)		18.8 18.3	
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade		18.3	32.4
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.3	18.3	32.4 8.3
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.3 4.7	18.3 0.8 4.6	32.4 8.3 10.4
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	0.3	18.3	32.4 8.3 10.4
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications	0.3 4.7 3.7	18.3 0.8 4.6 1.3	32.4 8.3 10.4 27.9
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	0.3 4.7	18.3 0.8 4.6	32.4 8.3 10.4 27.9 0.31

Finland

	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	5	5	1,127
Urban population (% of total)	62	64	78
GNI per capita, World Bank Atlas method (\$)	38,550	47,570	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	0.4	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	101	100	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	Р	С	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.7	2.6
Telecommunications investment (% of revenue)	9.8	12.3	16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	40.4	23.3	44.4
Mobile-cellular telephone subscriptions (per 100 people)	100.5	156.4	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	22.39	28.57	26.54
Households with a computer (%)	63.9	82.0	77.1
Households with Internet access at home (%)	54.1	80.5	74.0
Usage	54.1	80.5	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	171.5	177.5	
Individuals using the Internet (%)	74.5	86.9	73.6
Quality	14.5	00.3	75.0
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	57.1	100	96.0
International Internet bandwidth (bit/s per Internet user)		 107,267	
Affordability	3,130	101,201	00,241
Fixed-telephone sub-basket (\$ a month)		16.8	21.2
Mobile-cellular sub-basket (\$ a month)		13.1	22.3
Fixed-broadband sub-basket (\$ a month)		35.4	26.3
Trade		55.4	20.5
ICT goods exports (% of total goods exports)	20.3	6.4	10.4
ICT goods imports (% of total goods imports)	14.3	8.2	12.5
ICT service exports (% of total service exports)	11.2	24.5	8.1
Applications	11.2	24.5	0.1
E-government Web measure index (0-1, 1=highest presence)	0.75	0.88	0.68
Secure Internet servers (per million people)	308.2		1,068.0
Secure internet servers (bet inition beable)	500.2	1,700.0	1,000.0

France

	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	63	65	1,127
Urban population (% of total)	77	78	78
GNI per capita, World Bank Atlas method (\$)	34,890	42,370	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.5	0.4	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	95	94	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	C	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.3	2.6
Telecommunications investment (% of revenue)	15.6	13.5	16.3
Sector performance			
Access	55.3	56.2	44.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	78.8	100.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	15.53	34.00	26.54
Households with a computer (%)	54.3a	76.4	77.1
Households with Internet access at home (%)	34.4	73.6	74.0
Usage	34.4	13.0	14.0
Int'l. voice traffic, total (minutes/subscription/month)	13.6	19.9	
Domestic mobile traffic (minutes/subscription/month)	138.0	136.4	
Individuals using the Internet (%)	42.9	80.1	73.6
Quality	12.0	00.1	10.0
Population covered by a mobile-cellular network (%)	99	99a	100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	97.9	96.0
International Internet bandwidth (bit/s per Internet user)	7,648		60,241
Affordability	1,010	00,000	00,211
Fixed-telephone sub-basket (\$ a month)		26.6	21.2
Mobile-cellular sub-basket (\$ a month)		48.6	22.3
Fixed-broadband sub-basket (\$ a month)		30.1	26.3
Trade		00.1	20.0
ICT goods exports (% of total goods exports)	6.3	4.4	10.4
ICT goods imports (% of total goods imports)	8.5	7.3	12.5
ICT service exports (% of total service exports)	4.3	4.2	8.1
Applications		2	0.1
E-government Web measure index (0–1, 1=highest presence)	0.80	0.88	0.68
Secure Internet servers (per million people)	76.3		1,068.0
(L			,

French Polynesia

	Countr	Country data		Country data	
	2005	2010	group 2010		
Economic and social context					
Population (millions)	0.25	0.27	1,127		
Urban population (% of total)	52	52	78		
GNI per capita, World Bank Atlas method (\$)			38,746		
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)			94		
Sector structure					
Separate telecommunications/ICT regulator					
Status of main fixed-line operator					
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service					
Internet service					
Foreign ownership (percentage allowed)					
Reg. treatment of VoIP (banned, closed, no framework, allowed)					
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)			2.6		
Telecommunications investment (% of revenue)			16.3		
Sector performance Access					
Fixed-telephone subscriptions (per 100 people)	20.9	20.3	44.4		
Mobile-cellular telephone subscriptions (per 100 people)	47.1	79.7	110.8		
Fixed (wired)-broadband subscriptions (per 100 people)	4.32	11.91			
Households with a computer (%)	45.0	11.51	77.1		
Households with Internet access at home (%)	+5.0 		74.0		
Usage			1 1.0		
Int'l. voice traffic, total (minutes/subscription/month)	9.1	9.4			
Domestic mobile traffic (minutes/subscription/month)	116.7	103.8			
Individuals using the Internet (%)	21.5	49.0	73.6		
Quality					
Population covered by a mobile-cellular network (%)	96	80	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	59.5	98.5	96.0		
International Internet bandwidth (bit/s per Internet user)	1,639	13,190	60,241		
Affordability	,	,	,		
Fixed-telephone sub-basket (\$ a month)			21.2		
Mobile-cellular sub-basket (\$ a month)			22.3		
Fixed-broadband sub-basket (\$ a month)			26.3		
Trade					
ICT goods exports (% of total goods exports)	0.2	0.8	10.4		
ICT goods imports (% of total goods imports)	5.1	6.0	12.5		
ICT service exports (% of total service exports)		2.5	8.1		
Applications					
E-government Web measure index (0-1, 1=highest presence)			0.68		
Secure Internet servers (per million people)	58.9	109.6	1,068.0		

Gabon

Sub-Saharan Africa	Jpper m	pper middle incom		
			Upper	
	Countr	v data	middle- income	
	2005	2010	group 2010	
Economic and social context				
Population (millions)	1	2	2,452	
Urban population (% of total)	84	86	57	
GNI per capita, World Bank Atlas method (\$)	5,110	7,650	5,886	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.6	2.5	6.3	
Adult literacy rate (% ages 15 and older)	84	88	93	
Gross primary, secondary, tertiary school enrollment (%)			73	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)				
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (percentage allowed)	100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed)) B	A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	1.7		2.4	
Telecommunications investment (% of revenue) Sector performance	12.4			
Telecommunications investment (% of revenue)				
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.4		21.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	2.9	2.0	21.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	2.9 53.7	2.0 106.9	21.5 84.3 8.34	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	2.9 53.7 0.11	2.0 106.9 0.27	21.5 84.3 8.34 35.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	2.9 53.7 0.11 3.0 2.0	2.0 106.9 0.27 7.6 6.0	21.5 84.3 8.34 35.2 25.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	2.9 53.7 0.11 3.0 2.0	2.0 106.9 0.27 7.6 6.0	21.5 84.3 8.34 35.2 25.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	2.9 53.7 0.11 3.0 2.0	2.0 106.9 0.27 7.6 6.0	21.5 84.3 8.3 ² 35.2 25.1 3.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	2.9 53.7 0.11 3.0 2.0	2.0 106.9 0.27 7.6 6.0	21.5 84.3 8.34 35.2 3.2 3.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	2.9 53.7 0.11 3.0 2.0	2.0 106.9 0.27 7.6 6.0	21.5 84.3 8.34 35.2 3.2 137.9 3 34.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	2.9 53.7 0.11 3.0 2.0 4.9	2.0 106.9 0.27 7.6 6.0 	21.8 84.3 8.34 35.2 3.2 137.9 3.3 34.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	2.9 53.7 0.11 3.0 2.0 4.9	2.0 106.9 0.27 7.6 6.0 7.2	21.8 84.3 8.34 35.2 3.2 137.9 34.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	2.9 53.7 0.11 3.0 2.0 4.9	2.0 106.9 0.27 7.6 6.0 	21.8 84.3 8.34 35.2 3.2 137.9 34.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	2.9 53.7 0.11 3.0 2.0 4.9 78 17.7 2,982	2.0 106.9 0.27 7.6 6.0 7.2 18.4 52,083	21.5 84.3 8.34 35.2 3.2 137.9 34.1 99 69.0 9,037	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	2.9 53.7 0.11 3.0 2.0 4.9 78 17.7 2,982	2.0 106.9 0.27 7.6 6.0 7.2 18.4 52,083	21.8 84.3 8.34 35.2 3.2 25.1 3.2 34.1 9.9 9.037	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	2.9 53.7 0.11 3.0 2.0 4.9 78 17.7 2,982	2.0 106.9 0.27 7.6 6.0 7.2 18.4 52,083	21.5 84.3 8.34 35.2 25.1 3.2 137.9 69.0 9,037	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	2.9 53.7 0.11 3.0 2.0 4.9 78 17.7 2,982	2.0 106.9 0.27 7.6 6.0 7.2 18.4 52,083	21.5 84.3 8.34 35.2 25.1 3.2 137.9 69.0 9,037	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	2.9 53.7 0.11 3.0 2.0 4.9 78 17.7 2,982	2.0 106.9 0.27 7.6 6.0 7.2 18.4 52,083	21.5 84.3 83.2 35.2 3.2 137.9 69.0 9,037	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	2.9 53.7 0.11 3.0 2.0 4.9 78 17.7 2,982	2.0 106.9 0.27 7.6 6.0 7.2 18.4 52,083	21.5 84.3 8.34 35.2 3.2 137.5 34.1 99 69.0 9,03 14.5 17.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	2.9 53.7 0.11 3.0 2.0 4.9 78 17.7 2,982 0.0 3.7	2.0 106.9 0.27 7.6 6.0 7.2 18.4 52,083	21.5.84.3 8.34.3 8.35.2 3.2 137.5 9.69.0 9,037 14.5 15.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixede-toroadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	2.9 53.7 0.11 3.0 2.0 4.9 78 17.7 2,982	2.0 106.9 0.27 7.6 6.0 7.2 18.4 52,083	21.5.84.3 8.34.3 3.2 25.1 3.2 25.1 3.2 34.1 99 69.0 9,037 9.8 14.9 17.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	2.9 53.7 0.11 3.0 2.0 4.9 78 17.7 2,982 0.0 3.7	2.0 106.9 0.27 7.6 6.0 7.2 18.4 52,083	21.5 84.3 8.3 ² 35.2 3.2 137.9 34.1 9,037 9,037 14.5 15.6 5.8	

Gambia, The

Sub-Saharan Africa Low income

	Countr	y data	Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	2	2	796
Urban population (% of total)	54	58	28
GNI per capita, World Bank Atlas method (\$)	270	450	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.2	4.9	5.7
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	37 	46 54	61
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	Р	С	
Internet service	C	С	
Foreign ownership (percentage allowed)	b	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	2.9	2.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	16.5	85.5	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	0.05
Households with a computer (%)	2.9a	5.7	a 2.8
Households with Internet access at home (%)	1.0a	3.2	a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	14.7		
Individuals using the Internet (%)	3.8a	9.2	5.7
Quality	7.0		
Population covered by a mobile-cellular network (%)	70		
Fixed (wired)-broadband subscriptions (% of total Internet)	7.6		4 707
International Internet bandwidth (bit/s per Internet user) Affordability	158ª	1,063	1,737
Fixed-telephone sub-basket (\$ a month)		2.4	8.8
Mobile-cellular sub-basket (\$ a month)		6.3	
Fixed-broadband sub-basket (\$ a month)		307.3	54.6
Trade			
ICT goods exports (% of total goods exports)	1.2	0.4	
ICT goods imports (% of total goods imports)	5.0	1.5	
ICT service exports (% of total service exports)		17.8	
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.23	0.32	0.20
Secure Internet servers (per million people)	1.3	2.8	0.8

Georgia

Europe & Central Asia L	Lower middle inc		ncome
			Lower middle-
	Country		income
	2005	2010	group 2010
Economic and social context			
Population (millions)	4	4	2,519
Urban population (% of total)	53	53	39
GNI per capita, World Bank Atlas method (\$)	1,360	2,690	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.5	4.6	6.4
Adult literacy rate (% ages 15 and older)	100	100	7:
Gross primary, secondary, tertiary school enrollment (%)	76	72	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.2	3.7	3.4
Telecommunications investment (% of revenue)	30.9	30.1	-
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.7	25.4	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	12.7 26.2	25.4 91.4	71.
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.7 26.2 0.05 ^a	25.4 91.4 5.83	71.7 1.04
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.7 26.2 0.05 ^a 1.8 ^a	25.4 91.4 5.83 18.2	71.7 1.04 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.7 26.2 0.05 ^a	25.4 91.4 5.83	71.7 1.04 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.7 26.2 0.05 ^a 1.8 ^a	25.4 91.4 5.83 18.2	71.1 1.04 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a	25.4 91.4 5.83 18.2 16.6	71.1 1.04 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a	25.4 91.4 5.83 18.2 16.6	71.7 1.04 11.3 7.5 6.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a	25.4 91.4 5.83 18.2 16.6 17.0 66.8	71.7 1.04 11.3 7.5 6.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a	25.4 91.4 5.83 18.2 16.6 17.0 66.8	71.7 1.04 11.3 7.5 6.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Usag	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a 6.1 ^a 95	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99	71.7 1.04 11.3 7.5 6.3 13.5 86
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.7 26.2 0.05a 1.8a 1.0a 6.1a	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9	71.7 1.04 11.3 7.5 6.3 13.5 86
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a 6.1 ^a 95	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99 99.9	71.7 1.04 11.3 7.5 6.2 13.5 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a 6.1 ^a 95	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99 99.9 21,354	71.7 1.02 11.3 7.5 6.2 13.5 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	12.7 26.2 0.05a 1.8a 1.0a 6.1a 95 1.3 118a	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99.9 21,354 2.3 11.6	71.7 1.02 11.3 7.5 6.2 13.5 86 57.1 4,896 5.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.7 26.2 0.05a 1.8a 1.0a 6.1a 95 1.3 118a	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99 99.9 21,354	71.7 1.02 11.3 7.5 6.2 13.5 86 57.1 4,896 5.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	12.7 26.2 0.05a 1.8a 1.0a 6.1a 95 1.3 118a	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99.9 21,354 2.3 11.6 39.4	71.1 1.04 11.3 7.8 6.1 13.8 86 57.1 4,890 5.3 10.7 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a 6.1 ^a 95 1.3 118 ^a	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99.9 21,354 2.3 11.6 39.4	71.1.04 11.3.7.5 6.1 13.5 86 57.1 4,896 5.3 10.1 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a 6.1 ^a 95 1.3 118 ^a 4.4	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99 99.9 21,354 2.3 11.6 39.4 0.2 5.3	71.1.04 11.3.7.5 6.1 13.5 86 57.1 4,896 5.3 10.1 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a 6.1 ^a 95 1.3 118 ^a	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99.9 21,354 2.3 11.6 39.4	71.1.04 11.3.7.5 6.1 13.5 86 57.1 4,896 5.3 10.1 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	12.7 26.2 0.05a 1.8a 1.0a 6.1a 95 1.3 118a 0.1 4.4 2.8	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99 99.9 21,354 2.3 11.6 39.4	71 1.04 11.3 7.5 6 13.5 86 57 4,896 5.3 10 32.4 8.3 10.4 27.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.7 26.2 0.05 ^a 1.8 ^a 1.0 ^a 6.1 ^a 95 1.3 118 ^a 4.4	25.4 91.4 5.83 18.2 16.6 17.0 66.8 26.9 99 99.9 21,354 2.3 11.6 39.4 0.2 5.3	13.5 86 57.1 4,896 5.3 10.7 32.4

Germany

	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	82	82	1,127
Urban population (% of total)	73	74	78
GNI per capita, World Bank Atlas method (\$)	34,780	43,070	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.5	0.8	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.4	2.6
Telecommunications investment (% of revenue)	8.6	10.0	16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	66.4	55.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	96.0	127.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	13.07	31.70	26.54
Households with a computer (%)	70.0	85.7	77.1
Households with Internet access at home (%)	61.6	82.5	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	43.0	80.5	
Individuals using the Internet (%)	68.7	82.0	73.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	53.9		96.0
International Internet bandwidth (bit/s per Internet user)	9,981a	74,087	60,241
Affordability			
Fixed-telephone sub-basket (\$ a month)		27.0	21.2
Mobile-cellular sub-basket (\$ a month)		13.1	22.3
Fixed-broadband sub-basket (\$ a month)		39.4	26.3
Trade			
ICT goods exports (% of total goods exports)	7.9	5.1	10.4
ICT goods imports (% of total goods imports)	11.5	9.2	12.5
ICT service exports (% of total service exports)	7.2	9.1	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.71	0.75	0.68
Secure Internet servers (per million people)	274.2	1,025.6	1,068.0
		-	

Ghana

Sub-Saharan Africa L	Lower middle incor		iicome
			Lower middle-
	Country data		income group
	2005	2010	2010
Economic and social context			
Population (millions)	22	24	2,519
Urban population (% of total)	48	52	39
GNI per capita, World Bank Atlas method (\$)	460	1,250	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.1	6.6	6.4
Adult literacy rate (% ages 15 and older)	58	67	71
Gross primary, secondary, tertiary school enrollment (%)	53	65	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		Р	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	С	
Sector efficiency and capacity			
		3.6	3.4
Telecommunications revenue (% of GDP)		5.0	J.4
Telecommunications investment (% of revenue)		65.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)		65.5	6.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	1.5 13.3	1.1 71.5	6.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	1.5	1.1 71.5 0.21	6.0 71.7 1.04
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.5 13.3	1.1 71.5 0.21 9.1	6.0 71.7 1.04 a 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	1.5 13.3 0.01	1.1 71.5 0.21	6.0 71.7 1.04 a 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.5 13.3 0.01 2.0	1.1 71.5 0.21 9.1	6.0 71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.5 13.3 0.01 2.0 0.3	1.1 71.5 0.21 9.1 0.4	6.0 71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.5 13.3 0.01 2.0 0.3	1.1 71.5 0.21 9.1 0.4	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.5 13.3 0.01 2.0 0.3	1.1 71.5 0.21 9.1 0.4 8.0 89.5	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.5 13.3 0.01 2.0 0.3	1.1 71.5 0.21 9.1 0.4 8.0 89.5	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.5 13.3 0.01 2.0 0.3 14.6 	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6	6.0 71.7 1.04 11.3 7.5 6.1 13.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.5 13.3 0.01 2.0 0.3 14.6 1.8	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6	6.0 71.7 1.04 11.3 7.5 6.1 13.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.5 13.3 0.01 2.0 0.3 14.6 1.8	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6 77 94.3	6.0 71.7 1.04 11.33 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wsage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.5 13.3 0.01 2.0 0.3 14.6 1.8 59 17.8 424	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6 77 94.3 1,451	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.5 13.3 0.01 2.0 0.3 14.6 1.8 59 17.8 424	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6 77 94.3 1,451	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.5 13.3 0.01 2.0 0.3 14.6 1.8 59 17.8 424	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6 77 94.3 1,451 7.3	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.5 13.3 0.01 2.0 0.3 14.6 1.8 59 17.8 424	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6 77 94.3 1,451 7.3	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.5 13.3 0.01 2.0 0.3 14.6 1.8 59 17.8 424	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6 77 94.3 1,451 7.3 7.4	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.5 13.3 0.01 2.0 0.3 14.6 1.8 59 17.8 424	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6 77 94.3 1,451 7.4 31.5	6.0 71.7 1.04 11.33 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.5 13.3 0.01 2.0 0.3 14.6 1.8 59 17.8 424 	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6 77 94.3 1,451 7.3 7.4 31.5	6.0 71.7 1.04 11.33 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.5 13.3 0.01 2.0 0.3 14.6 1.8 59 17.8 424 	1.1 71.5 0.21 9.1 0.4 8.0 89.5 9.6 77 94.3 1,451 7.3 7.4 31.5	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3

Gibraltar

	Country data		High- income group
•	2005	2010	2010
Economic and social context			
Population (millions)	0.03	0.03	1,127
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access	00.03	00.43	444
Fixed-telephone subscriptions (per 100 people)	86.0a		
Mobile-cellular telephone subscriptions (per 100 people)	68.8ª	102.6	
Fixed (wired)-broadband subscriptions (per 100 people)		35.68	77.1
Households with a computer (%) Households with Internet access at home (%)			74.0
Usage		••	74.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		34.1	
Individuals using the Internet (%)	39.1ª	65.0	73.6
Quality	00.1	00.0	10.0
Population covered by a mobile-cellular network (%)	100		100
Fixed (wired)-broadband subscriptions (% of total Internet)		93.2	96.0
International Internet bandwidth (bit/s per Internet user)			60,241
Affordability			/
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)		13,741.7	1,068.0

Greece

	Country data		High- income group	
	2005	2010	2010	
Economic and social context				
Population (millions)	11	11	1,127	
Urban population (% of total)	60	61	78	
GNI per capita, World Bank Atlas method (\$)	21,400	26,950	38,746	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.2	0.1	0.6	
Adult literacy rate (% ages 15 and older)	96	97	98	
Gross primary, secondary, tertiary school enrollment (%)	99		94	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	C	C		
Mobile telephone service	Р	Р		
Internet service	С	С		
Foreign ownership (percentage allowed)	100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	4.0	3.0	2.6	
Telecommunications investment (% of revenue)	9.4	15.7	16.3	
Sector performance				
Access Fixed-telephone subscriptions (per 100 people)	56.4	45.8	44.4	
Mobile-cellular telephone subscriptions (per 100 people)	91.7	108.2	110.8	
Fixed (wired)-broadband subscriptions (per 100 people)	1.43	19.87		
Households with a computer (%)	33.0	53.4		
Households with Internet access at home (%)	21.7	46.4	74.0	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)	13.9	16.1		
Domestic mobile traffic (minutes/subscription/month)	49.3	45.0		
Individuals using the Internet (%)	24.0	44.4	73.6	
Quality				
Population covered by a mobile-cellular network (%)	100a	100	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	98.9	96.0	
International Internet bandwidth (bit/s per Internet user) Affordability	2,427ª	30,998	60,241	
Fixed-telephone sub-basket (\$ a month)		23.8	21.2	
Mobile-cellular sub-basket (\$ a month)		38.5	22.3	
Fixed-broadband sub-basket (\$ a month)		18.9	26.3	
Trade				
ICT goods exports (% of total goods exports)	2.8	2.5	10.4	
ICT goods imports (% of total goods imports)	5.7	5.0	12.5	
ICT service exports (% of total service exports)	1.7	2.4	8.1	
Applications				
E-government Web measure index (0-1, 1=highest presence)	0.57	0.58	0.68	
Secure Internet servers (per million people)	31.4	154.0	1,068.0	

Greenland

	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.06	0.06	1,127
Urban population (% of total)	83	84	78
GNI per capita, World Bank Atlas method (\$)	29,690	26,020	38,746
GDP growth, 2000–05 and 2005–10 (avg. annual %)	0.7	1.5	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access	FC 0	20.4	44.4
Fixed-telephone subscriptions (per 100 people)	56.2	38.1	44.4
Mobile-cellular telephone subscriptions (per 100 people)	81.3	100.1 21.52	110.8 26.54
Fixed (wired)-broadband subscriptions (per 100 people)	12.46		20.54 77.1
Households with a computer (%) Households with Internet access at home (%)	32.0	66.6	
Usage	32.0	00.0	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		0.1	
Individuals using the Internet (%)	57.7	63.0	73.6
Quality	01.1	00.0	10.0
Population covered by a mobile-cellular network (%)	90	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	909	12,467	60,241
Affordability		, -	/
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			
ICT goods exports (% of total goods exports)	0.1		10.4
ICT goods imports (% of total goods imports)	5.8		12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	212.2	1,096.7	1,068.0

Grenada

n America & Caribbean Upper middle in			ncome
		Country data	
			group
	2005	2010	2010
Economic and social context			
Population (millions)	0.10	0.10	,
Urban population (% of total)	31	31	
GNI per capita, World Bank Atlas method (\$)	6,570 2.1	6,960 -0.7	- ,
GDP growth, 2000–05 and 2005–10 (avg. annual %) Adult literacy rate (% ages 15 and older)	96	-0.1	
Gross primary, secondary, tertiary school enrollment (%)		91	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	C	
Internet service		C	
Foreign ownership (percentage allowed)	 Na	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.9	6.8	
Telecommunications investment (% of revenue)	19.1	13.4	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.7		
		27.2	
Mobile-cellular telephone subscriptions (per 100 people)	45.6	116.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	45.6 3.14	116.7 13.82	84.3 8.34
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	45.6 3.14 	116.7 13.82 	84.3 8.34 35.2
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	45.6 3.14	116.7 13.82	84.3 8.34 35.2
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	45.6 3.14 	116.7 13.82 	84.3 8.34 35.2 25.1
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	45.6 3.14 	116.7 13.82 	84.3 8.34 35.2 25.1
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	45.6 3.14 100.5 133.5	116.7 13.82 46.6 200.9	84.3 8.34 35.2 25.1 3.2 137.9
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	45.6 3.14 	116.7 13.82 	84.3 8.34 35.2 25.1 3.2 137.9
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	45.6 3.14 100.5 133.5 20.5	116.7 13.82 46.6 200.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	45.6 3.14 100.5 133.5	116.7 13.82 46.6 200.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	45.6 3.14 100.5 133.5 20.5	116.7 13.82 46.6 200.9 33.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	45.6 3.14 100.5 133.5 20.5 57.3 19,505	116.7 13.82 46.6 200.9 33.5 100.0 100,111	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	45.6 3.14 100.5 133.5 20.5 57.3 19,505	116.7 13.82 46.6 200.9 33.5 100.0 100,111	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	45.6 3.14 100.5 133.5 20.5 57.3 19,505	116.7 13.82 46.6 200.9 33.5 100.0 100,111 12.3 14.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	45.6 3.14 100.5 133.5 20.5 57.3 19,505	116.7 13.82 46.6 200.9 33.5 100.0 100,111	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	45.6 3.14 100.5 133.5 20.5 57.3 19,505	116.7 13.82 46.6 200.9 33.5 100.0 100,111 12.3 14.5 29.3	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	45.6 3.14 100.5 133.5 20.5 57.3 19,505	116.7 13.82 46.6 200.9 33.5 100.0 100,111 12.3 14.5	84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037 9.8 14.5 17.6
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Irrade CT goods exports (% of total goods exports)	45.6 3.14 100.5 133.5 20.5 57.3 19,505 1.5 4.8	116.7 13.82 46.6 200.9 33.5 100.0 100,111 12.3 14.5 29.3	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	45.6 3.14 100.5 133.5 20.5 57.3 19,505 1.5	116.7 13.82 46.6 200.9 33.5 100.0 100,111 12.3 14.5 29.3 2.0 4.4	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT geods imports (% of total service exports)	45.6 3.14 100.5 133.5 20.5 57.3 19,505 1.5 4.8	116.7 13.82 46.6 200.9 33.5 100.0 100,111 12.3 14.5 29.3 2.0 4.4	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8



	Country data		High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.17	0.18	1,127
Urban population (% of total)	93	93	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	38.9ª	36.4	44.4
Mobile-cellular telephone subscriptions (per 100 people)	59.1		110.8
Fixed (wired)-broadband subscriptions (per 100 people)	1.56	1.67	
Households with a computer (%)			77.1
Households with Internet access at home (%)			74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	38.6	50.6	73.6
Quality			400
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			96.0
International Internet bandwidth (bit/s per Internet user)			60,241
Affordability			04.0
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			10.4
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			0.00
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	106.8	241.6	1,068.0

Guatemala

Latin America & Caribbean	Lower middle in		Lower middle income	
	Countr	Country data		
	2005	2010	group 2010	
Economic and social context				
Population (millions)	13	14	2,519	
Urban population (% of total)	47	50	39	
GNI per capita, World Bank Atlas method (\$)	2,070	2,740	1,623	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	3.6	6.4	
Adult literacy rate (% ages 15 and older)	69	74	71	
Gross primary, secondary, tertiary school enrollment (%)	68			
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Private	Private		
Level of competition (competition, partial comp., monopoly) International gateway(s)				
Mobile telephone service	 C	 C		
Internet service	C	C		
Foreign ownership (percentage allowed)	100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed		No		
	2) 110			
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)			3.4	
Telecommunications investment (% of revenue)				
Sector performance				
Access				
Fixed-telephone subscriptions (per 100 people)	9.8	10.4	6.0	
Mobile-cellular telephone subscriptions (per 100 people)	35.5	125.6	71.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.21	1.80	a 1.04	
Households with a computer (%)	8.4	15.8	a 11.3	
Households with Internet access at home (%)	2.1	3.0		
Usage				
Int'l. voice traffic, total (minutes/subscription/month)	32.1	10.4	6.1	
Domestic mobile traffic (minutes/subscription/month)	51.4	40.2		
Individuals using the Internet (%)	5.7	10.5	a 13.5	
Quality				
Population covered by a mobile-cellular network (%)	76		86	
Fixed (wired)-broadband subscriptions (% of total Internet)			57.1	
International Internet bandwidth (bit/s per Internet user)	974	3,971	4,896	
Affordability				
Fixed-telephone sub-basket (\$ a month)		5.6	5.3	
Mobile-cellular sub-basket (\$ a month)		7.8	10.7	
Fixed-broadband sub-basket (\$ a month)		32.5	32.4	
Trade				
ICT goods exports (% of total goods exports)	0.3	0.9	8.3	
ICT goods imports (% of total goods imports)	6.0	6.8	10.4	
ICT service exports (% of total service exports)	14.0	14.3	27.9	
Applications				
E-government Web measure index (0-1, 1=highest presence)	0.43	0.46	0.31	
Secure Internet servers (per million people)	5.5	13.8		
Secure internet servers (per million people)	5.5	13.8		



Low-

Sub-Saharan Africa Low income

	Country	v data	Low- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	9	10	796
Urban population (% of total)	33	35	
GNI per capita, World Bank Atlas method (\$)	360	400	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.6	2.2	5.7
Adult literacy rate (% ages 15 and older)	29	39	61
Gross primary, secondary, tertiary school enrollment (%)	46	52	
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	C	:
Internet service	С	C	:
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	0.3a	0.2	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.1	40.1	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	
Households with a computer (%)		1.5	
Households with Internet access at home (%)		1.0	
Usage		1.0	1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	0.5	1.0	
Quality			
Population covered by a mobile-cellular network (%)	80	80	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		
International Internet bandwidth (bit/s per Internet user)	41a	1,503	1,737
Affordability			
Fixed-telephone sub-basket (\$ a month)		1.6	8.8
Mobile-cellular sub-basket (\$ a month)		4.1	13.0
Fixed-broadband sub-basket (\$ a month)		800.0	54.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	
ICT goods imports (% of total goods imports)	0.7	5.2	
ICT service exports (% of total service exports)	0.8	21.6	·
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.14	0.00	
Secure Internet servers (per million people)		0.5	0.8

Guinea-Bissau

Sub-Saharan Africa Low income

	Country data		Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	1	2	796
Urban population (% of total)	30	30	28
GNI per capita, World Bank Atlas method (\$)	410	590	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-0.9	3.0	5.7
Adult literacy rate (% ages 15 and older)	41	52	61
Gross primary, secondary, tertiary school enrollment (%)	62		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	P	1
Mobile telephone service	Р	P	1
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.7	0.3	a 1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.2	39.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)		1.9	
Households with Internet access at home (%)	0.7	1.3	
Usage	0.1	1.5	1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	1.9	2.5	a 5.7
Individuals using the Internet (%) Quality	1.9	2.3	3.1
Population covered by a mobile-cellular network (%)	65		
Fixed (wired)-broadband subscriptions (% of total Internet)		0.0	
International Internet bandwidth (bit/s per Internet user)	2a	54	a 1,737
Affordability			
Fixed-telephone sub-basket (\$ a month)			8.8
Mobile-cellular sub-basket (\$ a month)			13.0
Fixed-broadband sub-basket (\$ a month)			54.6
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)	1.8		
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.15	0.10	0.20
Secure Internet servers (per million people)	0.10	0.6	
(por poop.o/		5.0	0.0

Cuvana

	uuyana
Latin America & Caribbean	Lower middle income

Provide the Communications (Competition (Part and the Communications revenue (% of GDP) Communications (Part 2) Communicatio				Lower middle- income
Population (millions)				group
Population (millions)		2005	2010	2010
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GNP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Sector structure Sector main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with netrnet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Population covered by a mobile-cellular network (%) Fixed -telephone sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) Code Sector goods exports (% of total goods imports) Code Sector goods exports (% of total service exports) Applications E-government Web measure index (0-1, 1-highest presence) O.44 O.25		0.75	0.70	0.546
GNI per capita, World Bank Atlas method (\$) 1,090 2,870 1 GDP growth, 2000-05 and 2005-10 (avg. annual %) 0.8 4.1 Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) 78 69 Sector structure Separate telecommunications/ICT regulator Yes Yes Status of main fixed-line operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International gateway(s) M Mobile telephone service P Foreign ownership (percentage allowed) P Foreign ownership (percentage allowed) P Foreign ownership (banned, closed, no framework, allowed) B B Sector efficiency and capacity Telecommunications revenue (% of GDP) 6.3 5.8 Telecommunications investment (% of revenue) 50.0 38.3 Sector performance Access Fixed-telephone subscriptions (per 100 people) 14.8 19.9 Mobile-cellular telephone subscriptions (per 100 people) 37.7 73.6 Fixed (wired)-broadband subscriptions (per 100 people) 0.27 1.48 Households with a computer (%) 5.9 6.5a Households with Internet access at home (%) 2.7 5.1a Usage Int'l. voice traffic, total (minutes/subscription/month) 21.7 16.0 Domestic mobile traffic (minutes/subscription/month) 24.7 36.6 Individuals using the Internet (%) 95 95 Fixed (wired)-broadband subscriptions (% of total Internet) 4.2 68.2 International Internet bandwidth (bit/s per Internet user) 6,383 4 Affordability Fixed-telephone sub-basket (\$ a month) 2.6 Mobile-cellular sub-basket (\$ a month) 9.4 Fixed-broadband sub-b	,			, -
GDP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Internet service Internet service Internet service Internet service Internet of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Tixed (wired)-broadband subscriptions (per 100 people) Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscriptions) Domestic mobile traffic (minutes/subscriptions) Domestic mobile traffic (minutes/subscription) Domestic mobile traffic				
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Fixed (wired)-broadband subscriptions (% of total Internet) 4.2 68.2 International Internet bandwidth (bit/s per Internet user) . 6,383 4 Affordability Fixed-telephone sub-basket (\$ a month) . 2.6 Mobile-cellular sub-basket (\$ a month) . 19.0 Trade ICT goods exports (% of total goods exports) 0.0 0.1 ICT goods imports (% of total goods imports) 1.9 2.9 ICT service exports (% of total service exports) 22.8 20.7 Applications E-government Web measure index (0-1, 1=highest presence) 0.44 0.25		0.E	0.5	0.0
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Fixed-broadband sub-basket (\$ a month) 19.0 Trade ICT goods exports (% of total goods exports) 0.0 0.1 ICT goods imports (% of total goods imports) 1.9 2.9 ICT service exports (% of total service exports) 22.8 20.7 Applications E-government Web measure index (0-1, 1=highest presence) 0.44 0.25				
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ICT goods imports (% of total goods imports) 1.9 2.9 ICT service exports (% of total service exports) 22.8 20.7 Applications E-government Web measure index (0-1, 1=highest presence) 0.44 0.25		0.0	0.1	8.3
ICT service exports (% of total service exports) 22.8 20.7 Applications E-government Web measure index (0-1, 1=highest presence) 0.44 0.25				
Applications E-government Web measure index (0-1, 1=highest presence) 0.44 0.25				
E-government Web measure index (0-1, 1=highest presence) 0.44 0.25		22.0	20.1	21.0
0 · · · · · · · · · · · · · · · · · · ·	••	0.44	0.25	0.31
Secure Internet servers (per million people) 1.3 9.3	Secure Internet servers (per million people)	1.3	9.3	

Latin A	nerica &	Caribbean
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Low income

	Country data		Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	9	10	796
Urban population (% of total)	43	50	28
GNI per capita, World Bank Atlas method (\$)	400	670	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-0.7	1.2	5.7
Adult literacy rate (% ages 15 and older)	49		61
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	C	
Internet service	С	С	
Foreign ownership (percentage allowed)		100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	1.6a	0.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.4a	40.0	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	a 0.05
Households with a computer (%)	2.0	5.9	a 2.8
Households with Internet access at home (%)	1.0	2.7	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	6.4	8.4	
Quality	0	0	0
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		
International Internet bandwidth (bit/s per Internet user)	260a	108	
Affordability	200	100	2,.0.
Fixed-telephone sub-basket (\$ a month)			8.8
Mobile-cellular sub-basket (\$ a month)			13.0
Fixed-broadband sub-basket (\$ a month)			E4.0
Trade			0
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.21	0.09	0.20
Secure Internet servers (per million people)	0.21	1.2	
acoust internet servers (per minion people)	0.0	1.2	0.0

Honduras

			<u>u</u>
Latin America & Caribbean	Lower m	iddle i	ncome
	Countr	v data	Lower middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	7	8	2,519
Urban population (% of total)	47	49	,
GNI per capita, World Bank Atlas method (\$)	1,400	1,870	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	4.7	3.3	,
	84		74
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)		72	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	M	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	4-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed		4 100 B	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	5.0 23.5	6.2 8.5	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.2	8.8	6.0
Mobile-cellular telephone subscriptions (per 100 people)	18.6	125.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	1.00	a 1.04
Households with a computer (%)	6.3	12.9	a 11.3
Households with Internet access at home (%)	1.5	6.0	a 7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	25.3	14.7	6.1
Domestic mobile traffic (minutes/subscription/month)	43.0	24.9	
Individuals using the Internet (%) Quality	6.5	11.1	13.5
Population covered by a mobile-cellular network (%)	90		86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	0.0	
International Internet bandwidth (bit/s per Internet user)	1,118a	5,932	
Affordability	-,	-,	.,
Fixed-telephone sub-basket (\$ a month)		6.3	5.3
Mobile-cellular sub-basket (\$ a month)		8.9	
Fixed-broadband sub-basket (\$ a month)		22.1	
Trade		1	02.7
ICT goods exports (% of total goods exports)	1.1	0.1	8.3
ICT goods imports (% of total goods imports)	5.6	6.3	
IOT comice concerts (0/ of total comice concerts)	20.5	0.0	07.0

27.9

3.4

ICT service exports (% of total service exports)

Secure Internet servers (per million people)

E-government Web measure index (0-1, 1=highest presence)

Applications

20.5

0.40

4.4

25.2

0.38 0.31

7.7

Hong Kong SAR, China

	Count	ry data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	7	7	1,127
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)	28,150	32,780	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.2	3.4	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	74	83	94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	3.5	2.6
Telecommunications investment (% of revenue)	18.3	11.0	16.3
Sector performance			
Access		04.0	
Fixed-telephone subscriptions (per 100 people)	55.7	61.8	
Mobile-cellular telephone subscriptions (per 100 people)	125.5	195.6	
Fixed (wired)-broadband subscriptions (per 100 people)	24.36	29.93	
Households with a computer (%)	70.1	77.9	
Households with Internet access at home (%)	64.6	76.4	74.0
Usage		63.8	
Int'l. voice traffic, total (minutes/subscription/month)		139.5	
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	56.9	72.0	
Quality	30.9	12.0	13.0
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	63.1	72.2	
International Internet bandwidth (bit/s per Internet user)	16,936	776,625	
Affordability	10,550	110,023	00,241
Fixed-telephone sub-basket (\$ a month)		8.5	21.2
Mobile-cellular sub-basket (\$ a month)		1.4	
Fixed-broadband sub-basket (\$ a month)		19.1	
Trade		10.1	20.0
ICT goods exports (% of total goods exports)	38.3	44.2	10.4
ICT goods imports (% of total goods imports)	38.2	42.8	
ICT service exports (% of total service exports)	1.9	1.8	8.1
Applications	1.0	1.0	0.1
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	162.3	567.5	1,068.0
Country of the state of the sta	102.0	001.0	1,000.0

Hungary

	Counti	Country data		High- incom ry data group	
	2005	2010	2010		
Economic and social context					
Population (millions)	10	10	1,127		
Urban population (% of total)	66	68	78		
GNI per capita, World Bank Atlas method (\$)	10,220	12,860	38,746		
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.2	-0.6	0.6		
Adult literacy rate (% ages 15 and older)	99	99	98		
Gross primary, secondary, tertiary school enrollment (%)	89	89	94		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Private	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	C	C			
Mobile telephone service	Р	P			
Internet service	C	C			
Foreign ownership (percentage allowed)	100	100			
$\label{eq:Reg.} \textit{Reg. treatment of VoIP (banned, closed, no framework, allowed)}$	Α	Α			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	4.6	3.8	2.6		
Telecommunications investment (% of revenue)	9.1	9.8	16.3		
Sector performance Access					
Fixed-telephone subscriptions (per 100 people)	33.9	29.8			
Mobile-cellular telephone subscriptions (per 100 people)	92.4	120.3			
Fixed (wired)-broadband subscriptions (per 100 people)	6.46	19.59			
Households with a computer (%)	42.0	66.4			
Households with Internet access at home (%)	22.1	60.5	74.0		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)	6.8	8.9			
Domestic mobile traffic (minutes/subscription/month)	84.5	117.8			
Individuals using the Internet (%) Quality	39.0	65.3	73.6		
Population covered by a mobile-cellular network (%)	99	99	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	66.7	99.2	96.0		
International Internet bandwidth (bit/s per Internet user)	8,904	9,975	60,241		
Affordability					
Fixed-telephone sub-basket (\$ a month)		21.2			
Mobile-cellular sub-basket (\$ a month)		25.7			
Fixed-broadband sub-basket (\$ a month)		20.7	26.3		
Trade					
ICT goods exports (% of total goods exports)	25.6	25.6			
ICT goods imports (% of total goods imports)	18.7	21.3			
ICT service exports (% of total service exports)	5.6	8.5	8.1		
Applications					
E-government Web measure index (0-1, 1=highest presence)	0.65	0.69			
Secure Internet servers (per million people)	30.0	219.8	1,068.0		

Iceland

	Count	Country data		H inc Country data		Country data in	
	2005	2010	group 2010				
Economic and social context							
Population (millions)	0.30	0.32	1,127				
Urban population (% of total)	92	92	78				
GNI per capita, World Bank Atlas method (\$)	49,620	32,640	38,746				
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.0	0.1	0.6				
Adult literacy rate (% ages 15 and older)			98				
Gross primary, secondary, tertiary school enrollment (%)	95	96	94				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line operator	Mixed	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)		C					
Mobile telephone service	С	С					
Internet service	С	С					
Foreign ownership (percentage allowed)	100	100					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	A					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	2.8	2.8	2.6				
Telecommunications investment (% of revenue)	19.5	12.1	16.3				
Sector performance							
Access	65.3	60.5	44.4				
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	95.4	106.5					
Fixed (wired)-broadband subscriptions (per 100 people)	26.29	34.11					
Households with a computer (%)	89.0	93.0					
Households with Internet access at home (%)	84.4	92.0					
Usage	04.4	32.0	14.0				
Int'l. voice traffic, total (minutes/subscription/month)	18.7	19.0					
Domestic mobile traffic (minutes/subscription/month)	125.4	176.7					
Individuals using the Internet (%)	87.0	95.0	73.6				
Quality							
Population covered by a mobile-cellular network (%)	99	99	100				
Fixed (wired)-broadband subscriptions (% of total Internet)	89.6	95.7	96.0				
International Internet bandwidth (bit/s per Internet user) Affordability	4,803	290,995					
Fixed-telephone sub-basket (\$ a month)		16.5	21.2				
Mobile-cellular sub-basket (\$ a month)		16.6	22.3				
Fixed-broadband sub-basket (\$ a month)		24.9	26.3				
Trade		24.3	20.3				
ICT goods exports (% of total goods exports)	0.1	0.1	10.4				
ICT goods imports (% of total goods imports)	6.4	4.2					
ICT service exports (% of total service exports)	3.8	4.4	8.1				
Applications	0.0		5.1				
E-government Web measure index (0-1, 1=highest presence)	0.72	0.54	0.68				
Secure Internet servers (per million people)	1,004.3		1,068.0				
	,	.,	,				



South Asia I	ower m	iddle i	ncome
	Countr	y data	Lower middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	1,140	1,225	2,519
Urban population (% of total)	29	30	39
GNI per capita, World Bank Atlas method (\$)	720	1,270	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.0	8.2	6.4
Adult literacy rate (% ages 15 and older)	63		71
Gross primary, secondary, tertiary school enrollment (%)	60	65	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	P	
Internet service	С	C	
Foreign ownership (percentage allowed)	49-100	10-74	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.3	3.4
Telecommunications investment (% of revenue)	224.2	221.7	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.4	2.9	6.0
Mobile-cellular telephone subscriptions (per 100 people)	7.9	61.4	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.12	0.90	1.04
Households with a computer (%)	2.0a	6.1	a 11.3
Households with Internet access at home (%)	1.6a	4.2	a 7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	5.6	4.9	6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	2.4a	7.5	a 13.5
Quality			
Population covered by a mobile-cellular network (%)	31	83	86
Fixed (wired)-broadband subscriptions (% of total Internet)	19.4	58.8	57.1
International Internet bandwidth (bit/s per Internet user)	735	5,825	4,896
Affordability			
Fixed-telephone sub-basket (\$ a month)		3.3	5.3
Mobile-cellular sub-basket (\$ a month)		3.4	10.7
Fixed-broadband sub-basket (\$ a month) Trade		5.5	32.4
ICT goods exports (% of total goods exports)	1.1	2.0	8.3
ICT goods imports (% of total goods imports)	7.6	6.6	
ICT service exports (% of total service exports)	44.6	47.0	
Applications	7 1.0	11.0	21.0
E-government Web measure index (0-1, 1=highest presence)	0.38	0.54	0.31
Secure Internet servers (per million people)	0.6	2.9	
ocoure internet servers (per million people)	0.0	2.3	5.4

Indonesia

	ower middle incom		
			Lower middle-
	Country	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	227	240	2,519
Urban population (% of total)	48	54	39
GNI per capita, World Bank Atlas method (\$)	1,220	2,500	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.7	5.7	6.4
Adult literacy rate (% ages 15 and older)	92	92	71
Gross primary, secondary, tertiary school enrollment (%)	65	76	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)		35	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
	2.2		3.4
rejecommunications revenue (% of GDP)			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	28.3		
• • •			
Telecommunications investment (% of revenue) Sector performance Access	28.3		a 6.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	28.3	15.8	a 6.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	28.3 5.9 20.6	15.8 91.7	a 6.0 a 71.7 a 1.04
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	5.9 20.6 0.05 ^a	15.8 91.7 0.79	a 6.0 a 71.7 a 1.04 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	5.9 20.6 0.05 ^a 3.7	15.8 91.7 0.79 10.8	a 6.0 a 71.7 a 1.04 11.3 a 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	5.9 20.6 0.05 ^a 3.7 1.0	15.8 91.7 0.79 10.8 3.9	a 6.0 a 71.7 a 1.04 11.3 a 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	5.9 20.6 0.05 ^a 3.7 1.0	15.8 91.7 0.79 10.8 3.9	6.0 a 71.7 a 1.04 11.3 a 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	5.9 20.6 0.05 ^a 3.7 1.0	15.8 91.7 0.79 10.8 3.9	6.0 a 71.7 a 1.04 11.3 a 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	5.9 20.6 0.05 ^a 3.7 1.0	15.8 91.7 0.79 10.8 3.9	a 6.0 a 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	5.9 20.6 0.05a 3.7 1.0 	15.8 91.7 0.79 10.8 3.9	6.0 a 6.0 a 71.7 11.3 7.5 6.1 13.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	5.9 20.6 0.05 ^a 3.7 1.0 3.6	15.8 91.7 0.79 10.8 3.9 	6.0 a a 6.0 a 71.7 a 1.0 4 11.3 a 7.5 6.1 13.5 86 57.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	5.9 20.6 0.05° 3.7 1.0 3.6	15.8 91.7 0.79 10.8 3.9 9.9	a 6.0 a 71.7 a 1.04 11.3 7.5 6.1 13.5 86 57.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	28.3 5.9 20.6 0.05 ^a 3.7 1.0 3.6 90 5.8 184 ^a	15.8 91.7 0.79 10.8 3.9 9.9	a 6.0 11.3 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	28.3 5.9 20.6 0.05 ^a 3.7 1.0 3.6 90 5.8 184 ^a	15.8 91.7 0.79 10.8 3.9 9.9 57.5 2,948	6.0 11.3 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	28.3 5.9 20.6 0.05a 3.7 1.0 3.6 90 5.8 184a	15.8 91.7 0.79 10.8 3.9 9.9 57.5 2,948 5.0 7.8	3 6.0 3 6.0 11.3 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	28.3 5.9 20.6 0.05a 3.7 1.0 3.6 90 5.8 184a	15.8 91.7 0.79 10.8 3.9 9.9 57.5 2,948 5.0 7.8	6.0 11.3 1.04 11.3 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	28.3 5.9 20.6 0.05a 3.7 1.0 3.6 90 5.8 184a	15.8 91.7 0.79 10.8 3.9 9.9 57.5 2,948 5.0 7.8 21.6	a 6.0 a 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	28.3 5.9 20.6 0.05a 3.7 1.0 3.6 90 5.8 184a	15.8 91.7 0.79 10.8 3.9 9.9 57.5 2,948 5.0 7.8 21.6	a 6.0 a 71.7 a 1.04 11.3 a 7.5 6.1 13.5 86 57.1 a 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	28.3 5.9 20.6 0.05a 3.7 1.0 3.6 90 5.8 184a 8.1 3.6	15.8 91.7 0.79 10.8 3.9 9.9 57.5 2,948 5.0 7.8 21.6	a 6.0 a 71.7 a 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	28.3 5.9 20.6 0.05a 3.7 1.0 3.6 90 5.8 184a 8.1 3.6	15.8 91.7 0.79 10.8 3.9 9.9 57.5 2,948 5.0 7.8 21.6	a 6.0 a 71.7 a 1.04 11.3 a 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9

Iran,	ISIAMIC	Kep.
Middle East & North Africa	Upper mid	ldle income

			Upper middle- income
	Countr		group
	2005	2010	2010
Economic and social context			
Population (millions)	70	74	, -
Urban population (% of total)	67	70	
GNI per capita, World Bank Atlas method (\$)	2,550	4,520	- ,
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.9	4.5	
Adult literacy rate (% ages 15 and older)	82	85	
Gross primary, secondary, tertiary school enrollment (%)	64	71	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	M	
Mobile telephone service	P	С	
Internet service	Р	C	
Foreign ownership (percentage allowed)	0-49	0-49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4		2.4
Telecommunications investment (% of revenue)	74.5		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	29.2	36.3	
Mobile-cellular telephone subscriptions (per 100 people)	12.2	91.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.14	0.68	
Households with a computer (%)	9.0	33.7	
Households with Internet access at home (%)	6.6a	20.8	a 25.1
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	2.9		4070
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	8.1ª	13.0	a 34.1
Quality	75		00
Population covered by a mobile-cellular network (%)	75		co o
Fixed (wired)-broadband subscriptions (% of total Internet)	 604a	2 120	
International Internet bandwidth (bit/s per Internet user) Affordability	604ª	3,120	a 9,037
Fixed-telephone sub-basket (\$ a month)		0.2	9.8
Mobile-cellular sub-basket (\$ a month)		3.6	14.9
Fixed-broadband sub-basket (\$ a month)		30.5	17.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	15.5
ICT goods imports (% of total goods imports)	4.6	3.6	15.0
ICT service exports (% of total service exports)			5.8
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.41	0.49	0.46
Secure Internet servers (per million people)	0.3	1.0	20.1



	-01101 111	ower middle incom		
			Lower middle- income	
	Country data		group	
	2005	2010	2010	
Economic and social context				
Population (millions)	28	32	,	
Urban population (% of total)	67	66		
GNI per capita, World Bank Atlas method (\$)	1,150	2,340	,	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	-7.6	4.7		
Adult literacy rate (% ages 15 and older)	74	78		
Gross primary, secondary, tertiary school enrollment (%)	63			
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		M		
Mobile telephone service		P		
Internet service		Р		
Foreign ownership (percentage allowed)				
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)			3.4	
referential forestate (% of abi)			0. 1	
Telecommunications investment (% of revenue)				
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	4.1	5.1		
Sector performance Access			6.0	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	4.1	5.1	6.0 71.7	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	4.1 5.6	5.1 75.8	6.0 71.7 1.04	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	4.1 5.6 0.00	5.1 75.8 0.00	6.0 71.7 1.04 11.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	4.1 5.6 0.00 5.0	5.1 75.8 0.00 18.2	6.0 71.7 1.04 11.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	4.1 5.6 0.00 5.0	5.1 75.8 0.00 18.2	6.0 71.7 1.04 11.3 7.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	4.1 5.6 0.00 5.0	5.1 75.8 0.00 18.2 8.6	6.0 71.7 1.04 11.3 7.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	4.1 5.6 0.00 5.0 	5.1 75.8 0.00 18.2 8.6	6.C 71.7 1.04 11.3 7.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	4.1 5.6 0.00 5.0 	5.1 75.8 0.00 18.2 8.6	6.C 71.7 1.04 11.3 7.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	4.1 5.6 0.00 5.0 	5.1 75.8 0.00 18.2 8.6	6.0 71.7 1.04 11.3 7.5 6.1	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	4.1 5.6 0.00 5.0 	5.1 75.8 0.00 18.2 8.6	6.0 71.7 1.04 11.3 7.5 6.1	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	4.1 5.6 0.00 5.0 0.9 ^a	5.1 75.8 0.00 18.2 8.6 	6.0 71.7 1.04 11.3 7.5 6.1 13.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	4.1 5.6 0.00 5.0 0.9 ^a 68 72.1	5.1 75.8 0.00 18.2 8.6 2.5	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	4.1 5.6 0.00 5.0 0.9a 68 72.1 130	5.1 75.8 0.00 18.2 8.6 2.5 28.5	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	4.1 5.6 0.00 5.0 0.9 ^a 68 72.1 130	5.1 75.8 0.00 18.2 8.6 2.5 28.5 101	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	4.1 5.6 0.00 5.0 0.9a 68 72.1 130	5.1 75.8 0.000 18.2 8.6 2.5 28.5 101	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	4.1 5.6 0.00 5.0 0.9a 68 72.1 130	5.1 75.8 0.000 18.2 8.6 2.5 28.5 101	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	4.1 5.6 0.00 5.0 0.9 ^a 68 72.1 130	5.1 75.8 0.00 18.2 8.6 2.5 28.5 101	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	4.1 5.6 0.00 5.0 0.9 ^a 68 72.1 130	5.1 75.8 0.00 18.2 8.6 2.5 28.5 101	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	4.1 5.6 0.00 5.0 0.9a 68 72.1 130	5.1 75.8 0.00 18.2 8.6 2.5 28.5 101	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	4.1 5.6 0.00 5.0 0.9a 68 72.1 130	5.1 75.8 0.00 18.2 8.6 2.5 28.5 101	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9	

Ireland

	Country	y data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	4	4	1,127
Urban population (% of total)	61	62	78
GNI per capita, World Bank Atlas method (\$)	42,380	41,820	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.9	-0.6	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	96	103	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.5	2.6
Telecommunications investment (% of revenue)	7.1	11.0	16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	49.4	46.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	102.7	105.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	7.76	21.06	
Households with a computer (%)	55.0	76.5	77.1
Households with Internet access at home (%)	47.2	71.7	74.0
Usage	111.2	11.1	11.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	115.4	172.8	
Individuals using the Internet (%)	41.6	69.9	73.6
Quality		00.0	
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	34.8	87.6	96.0
International Internet bandwidth (bit/s per Internet user)	14,211a		60,241
Affordability	,	,	,
Fixed-telephone sub-basket (\$ a month)		26.3	21.2
Mobile-cellular sub-basket (\$ a month)		37.3	22.3
Fixed-broadband sub-basket (\$ a month)		32.9	26.3
Trade			
ICT goods exports (% of total goods exports)	22.4	7.5	10.4
ICT goods imports (% of total goods imports)	23.8	10.2	12.5
ICT service exports (% of total service exports)	33.6	39.0	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.73	0.54	0.68
Secure Internet servers (per million people)	353.9		1,068.0
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Isle of Man

	Countr	Country data		Country data		Country data	
	2005	2010	group 2010				
Farments and analytic autout	2005	2010	2010				
Economic and social context	0.00	0.00	1 107				
Population (millions)	0.08 51	0.08 51	1,127 78				
Urban population (% of total)							
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-10 (avg. annual %)	38,610 5.8		38,746 0.6				
			98				
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)			94				
Sector structure							
Separate telecommunications/ICT regulator							
Status of main fixed-line operator							
Level of competition (competition, partial comp., monopoly)							
International gateway(s)							
Mobile telephone service							
Internet service							
Foreign ownership (percentage allowed)							
Reg. treatment of VoIP (banned, closed, no framework, allowed)							
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)			2.6				
Telecommunications investment (% of revenue)			16.3				
Sector performance Access							
Fixed-telephone subscriptions (per 100 people)			44.4				
Mobile-cellular telephone subscriptions (per 100 people)			110.8				
Fixed (wired)-broadband subscriptions (per 100 people)			26.54				
Households with a computer (%)			77.1				
Households with Internet access at home (%)			74.0				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)							
Individuals using the Internet (%)			73.6				
Quality							
Population covered by a mobile-cellular network (%)			100				
Fixed (wired)-broadband subscriptions (% of total Internet)			96.0				
International Internet bandwidth (bit/s per Internet user)			60,241				
Affordability							
Fixed-telephone sub-basket (\$ a month)			21.2				
Mobile-cellular sub-basket (\$ a month)			22.3				
Fixed-broadband sub-basket (\$ a month)			26.3				
Trade							
ICT goods exports (% of total goods exports)			10.4				
ICT goods imports (% of total goods imports)			12.5				
ICT service exports (% of total service exports) Applications			8.1				
E-government Web measure index (0-1, 1=highest presence)			0.68				
Secure Internet servers (per million people)	25.0	1,164.1					
Secure measure out to to (por minion people)	20.0	1,10 1.1	2,000.0				



	Countr	Country data		Hi inc Country data	
	2005	2010	group 2010		
Economic and social context					
Population (millions)	7	8	1,127		
Urban population (% of total)	92	92	78		
GNI per capita, World Bank Atlas method (\$)	20,250	27,180	38,746		
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.1	3.9	0.6		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)	92	92	94		
Sector structure					
Separate telecommunications/ICT regulator	No	No			
Status of main fixed-line operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service	С	С			
Internet service	С				
Foreign ownership (percentage allowed)	40-89	49-80			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	4.1	4.0	2.6		
Telecommunications investment (% of revenue)			16.3		
Sector performance					
Access	44.5	44.0	444		
Fixed-telephone subscriptions (per 100 people)	44.5	44.2			
Mobile-cellular telephone subscriptions (per 100 people)	117.4	133.1			
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	18.62 60.0	25.14 ⁶ 77.0	26.54 77.1		
Households with Internet access at home (%)	42.0	69.0	74.0		
Usage	42.0	09.0	74.0		
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)					
Individuals using the Internet (%)	25.2	67.2	73.6		
Quality	20.2	01.2	10.0		
Population covered by a mobile-cellular network (%)	99	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	73.3	98.2	96.0		
International Internet bandwidth (bit/s per Internet user)	10,217a		60,241		
Affordability	,	-,	,		
Fixed-telephone sub-basket (\$ a month)		15.7	21.2		
Mobile-cellular sub-basket (\$ a month)		34.1	22.3		
Fixed-broadband sub-basket (\$ a month)		8.1	26.3		
Trade					
ICT goods exports (% of total goods exports)	7.5	12.3	10.4		
ICT goods imports (% of total goods imports)	9.7	9.2	12.5		
ICT service exports (% of total service exports)	27.8	33.0	8.1		
Applications					
E-government Web measure index (0-1, 1=highest presence)	0.74	0.85	0.68		
Secure Internet servers (per million people)	162.8	471.2	1,068.0		

Italy

	Country	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	59	60	1,127
Urban population (% of total)	68	68	78
GNI per capita, World Bank Atlas method (\$)	30,880	35,700	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.9	-0.6	0.6
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, tertiary school enrollment (%)	90	91	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	Р	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.1	2.6
Telecommunications investment (% of revenue)	18.6	18.5	16.3
Sector performance			
Access	42.7	35.5	44.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	121.9	149.6	
Fixed (wired)-broadband subscriptions (per 100 people)	11.63	21.90	
Households with a computer (%)	46.0	64.8	
Households with Internet access at home (%)	38.6	59.0	74.0
Usage	00.0	00.0	11.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	87.7	112.1	
Individuals using the Internet (%)	35.0	53.7	73.6
Quality			
Population covered by a mobile-cellular network (%)	100	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	38.5	99.0	96.0
International Internet bandwidth (bit/s per Internet user) Affordability	5,834ª	61,531	60,241
Fixed-telephone sub-basket (\$ a month)		25.6	21.2
Mobile-cellular sub-basket (\$ a month)		29.8	22.3
Fixed-broadband sub-basket (\$ a month)		26.2	26.3
Trade			
ICT goods exports (% of total goods exports)	3.1	2.1	10.4
ICT goods imports (% of total goods imports)	7.1	7.4	12.5
ICT service exports (% of total service exports)	3.2	8.9	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.67	0.58	0.68
Secure Internet servers (per million people)	44.2	191.5	1,068.0

Jamaica

Latin America & Caribbean	Upper m	iddle i	ncome
	Countr	y data	Upper middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	3	3	2,452
Urban population (% of total)	53	54	57
GNI per capita, World Bank Atlas method (\$)	3,910	4,800	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	-0.2	6.3
Adult literacy rate (% ages 15 and older)		86	93
Gross primary, secondary, tertiary school enrollment (%)	71	83	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.5	5.4	2.4
Telecommunications investment (% of revenue)	19.0	21.3	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	11.9	9.6	21.5
Mobile-cellular telephone subscriptions (per 100 people)	73.9	116.1	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.68	4.26	8.34
Households with a computer (%)	12.7a	20.0	a 35.2
Households with Internet access at home (%)	5.1a	11.8	a 25.1
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	41.3	71.7	3.2
Domestic mobile traffic (minutes/subscription/month)	33.5	191.9	137.9
Individuals using the Internet (%)	12.8a	26.1	34.1
Quality			
Population covered by a mobile-cellular network (%)	95		99
Fixed (wired)-broadband subscriptions (% of total Internet)	96.4	97.9	
International Internet bandwidth (bit/s per Internet user)	5,827	20,967	9,037
Affordability			
Fixed-telephone sub-basket (\$ a month)		11.6	
Mobile-cellular sub-basket (\$ a month)		12.0	
Fixed-broadband sub-basket (\$ a month) Trade		24.7	17.6
	0.2	0.4	15.5
ICT goods exports (% of total goods exports)	0.3 5.0	0.4 3.9	
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	7.9	6.4	
Applications	1.9	0.4	ე.გ
E-government Web measure index (0-1, 1=highest presence)	0.47	0.31	0.46
Secure Internet servers (per million people)	14.3	48.3	
oceare internet servers (her million heahie)	14.3	40.3	20.1

Japan

	Country	y data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	128	127	1,127
Urban population (% of total)	66	67	78
GNI per capita, World Bank Atlas method (\$)	38,950	41,850	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.3	-0.4	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	86	89	94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	С	С	
Internet service	C	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.0	2.6
Telecommunications investment (% of revenue)	14.3	16.7	16.3
Sector performance			
Access	45.9	31.9	44.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	76.3	95.4	
Fixed (wired)-broadband subscriptions (per 100 people)	18.44	26.91	26.54
Households with a computer (%)	80.5	83.4	
Households with Internet access at home (%)	57.0	81.3	74.0
Usage	31.0	01.5	14.0
Int'l. voice traffic, total (minutes/subscription/month)	23.6	2.9	
Domestic mobile traffic (minutes/subscription/month)	97.6	101.2	
Individuals using the Internet (%)	66.9	78.2	73.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	44.0		96.0
International Internet bandwidth (bit/s per Internet user)	2,601a	15,833	60,241
Affordability Fixed-telephone sub-basket (\$ a month)		26.4	21.2
Mobile-cellular sub-basket (\$ a month)		55.9	22.3
Fixed-broadband sub-basket (\$ a month)		23.1	26.3
Trade		20.1	20.0
ICT goods exports (% of total goods exports)	16.9	10.7	10.4
ICT goods imports (% of total goods imports)	13.5	12.0	
ICT service exports (% of total service exports)	1.4	1.3	8.1
Applications		0	
E-government Web measure index (0-1, 1=highest presence)	0.77	0.86	0.68
Secure Internet servers (per million people)	257.7		1,068.0
S - F F 7			,

Jordan

Middle East & North Africa	Upper m	iddle i	ncome		
			Upper middle- income		
		Country data		Country data	
	2005	2010	2010		
Economic and social context	_				
Population (millions)	5	6	, -		
Urban population (% of total)	78	79			
GNI per capita, World Bank Atlas method (\$)	2,490	4,340			
GDP growth, 2000–05 and 2005–10 (avg. annual %)	6.3	6.0			
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	91 80	79	93 73		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	С			
Mobile telephone service	Р	P			
Internet service	С	С			
Foreign ownership (percentage allowed)	100	100			
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	А			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	8.5	5.9			
Telecommunications investment (% of revenue)	20.5	19.2			
Sector performance					
Access					
Fixed-telephone subscriptions (per 100 people)	11.8	7.8			
Mobile-cellular telephone subscriptions (per 100 people)	58.7	107.0			
Fixed (wired)-broadband subscriptions (per 100 people)	0.44	3.16			
Households with a computer (%)	23.0	51.4			
Households with Internet access at home (%)	8.0	22.1	a 25.1		
Usage	45.4	47.0	2.0		
Int'l. voice traffic, total (minutes/subscription/month)	15.4	17.0			
Domestic mobile traffic (minutes/subscription/month)	111.8	242.4			
Individuals using the Internet (%)	12.9	38.0	34.1		
Quality Papulation covered by a mobile collular natural (%)	99	99	99		
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	12.0	78.8			
International Internet bandwidth (bit/s per Internet user)	12.0 449a	6,380			
Affordability	443-	0,360	- 9,031		
Fixed-telephone sub-basket (\$ a month)		9.5	9.8		
Mobile-cellular sub-basket (\$ a month)		10.5			
Fixed-broadband sub-basket (\$ a month)		18.9			
Trade		10.3	11.0		
ICT goods exports (% of total goods exports)	3.2	1.3	15.5		
ICT goods imports (% of total goods imports)	6.9	4.3			
ICT service exports (% of total service exports)			5.8		
Applications			0.0		
E-government Web measure index (0-1, 1=highest presence)	0.55	0.39	0.46		
Secure Internet servers (per million people)	3.7	25.3			
	0.1	20.0	20.1		

Kazakhstan

	pper iii	oper middle in			per middle ir	
			Upper middle- income			
	Country 2005		group			
Economic and social context	2005	2010	2010			
Population (millions)	15	16	2.452			
Urban population (% of total)	57	59	, -			
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,930	7,580	-			
GDP growth, 2000–05 and 2005–10 (avg. annual %)	10.1	5.7	,			
Adult literacy rate (% ages 15 and older)		100	93			
Gross primary, secondary, tertiary school enrollment (%)	91	90	73			
Sector structure						
Separate telecommunications/ICT regulator	Yes	No				
Status of main fixed-line operator	Mixed	Mixed				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)		С				
Mobile telephone service	С	P				
Internet service		С				
Foreign ownership (percentage allowed)		100				
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A				
Sector efficiency and capacity			_			
Telecommunications revenue (% of GDP)	2.8	2.2	2.4			
		40.4				
Telecommunications investment (% of revenue)	5.3	16.4				
Sector performance	5.3	16.4	•			
Sector performance Access						
Sector performance Access Fixed-telephone subscriptions (per 100 people)	17.8	25.3	21.5			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	17.8 35.6	25.3 121.1	21.5 84.3			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	17.8 35.6 0.02	25.3 121.1 8.90	21.5 84.3 8.3 ⁴			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	17.8 35.6 0.02 15.6 ^a	25.3 121.1 8.90 25.1	21.5 84.3 8.3 ⁴ 35.2			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	17.8 35.6 0.02	25.3 121.1 8.90	21.5 84.3 8.3 ⁴ 35.2			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	17.8 35.6 0.02 15.6 ^a 5.0	25.3 121.1 8.90 25.1 23.2	21.5 84.3 8.3 ⁴ 35.2 a 25.1			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	17.8 35.6 0.02 15.6 ^a	25.3 121.1 8.90 25.1	21.5 84.3 8.34 35.2 a 35.2 3.2			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	17.8 35.6 0.02 15.6 ^a 5.0	25.3 121.1 8.90 25.1 23.2	21.5 84.3 8.3 ² 35.2 3.2 137.9			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1	25.3 121.1 8.90 25.1 23.2 4.5 68.4	21.5 84.3 8.3 ² 35.2 3.2 137.9			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1	25.3 121.1 8.90 25.1 23.2 4.5 68.4	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1 3.0	25.3 121.1 8.90 25.1 23.2 4.5 68.4 34.0	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1 3.0	25.3 121.1 8.90 25.1 23.2 4.5 68.4 34.0	21.5 84.3 8.3 ⁴ 35.2 25.1 3.2 137.5 34.1 99 69.0			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1 3.0 81 1.0 107 ^a	25.3 121.1 8.90 25.1 23.2 4.5 68.4 34.0 95 92.4 8,592	21.5 84.3 8.34 35.2 137.9 34.1 99 69.0 9,037			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1 3.0 81 1.0 107 ^a	25.3 121.1 8.90 25.1 23.2 4.5 68.4 34.0 95 92.4	21.5 84.5 8.34 35.2 3.2 137.5 34.1 99 69.0 9,037			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1 3.0 81 1.0 107 ^a	25.3 121.1 8.90 25.1 23.2 4.5 68.4 34.0 95 92.4 8,592	21.5 84.5 83.4 35.2 25.1 3.2 137.9 34.1 99.6 9,037			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1 3.0 81 1.0 107 ^a	25.3 121.1 8.90 25.1 23.2 4.5 68.4 34.0 95 92.4 8,592 2.4 14.4	21.5 84.5 83.4 35.2 25.1 3.2 137.9 34.1 99.6 9,037			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1 3.0 81 1.0 107 ^a	25.3 121.1 8.90 25.1 23.2 4.5 68.4 34.0 95 92.4 8,592 2.4 14.4	21.5 84.5 83.4 35.2 3.2 137.5 34.1 99 69.0 9,037 9.8			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	17.8 35.6 0.02 15.6 5.0 7.2 41.1 3.0 81 1.0 107	25.3 121.1 8.90 25.1 23.2 4.5 68.4 34.0 95 92.4 8,592 2.4 14.4 13.2	21.5 84.5 8.34 35.2 25.1 3.2 137.5 34.1 99.69.0 9,037 9.8 14.5 17.6			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	17.8 35.6 0.02 15.6a 5.0 7.2 41.1 3.0 81 1.0 107a	25.3 121.1 8.90 25.1 23.2 4.5 68.4 34.0 95 92.4 8,592 2.4 14.4 13.2	21.8 84.3 8.3 ² 35.2 137.9 34.1 99 69.0 9,037 14.8 15.8			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1 3.0 81 1.0 107 ^a 	25.3 121.1 8.900 25.1 23.2 4.5 68.4 34.0 95 92.4 8,592 2.4 14.4 13.2	21.8 84.3 8.34 35.2 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 15.5			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	17.8 35.6 0.02 15.6 ^a 5.0 7.2 41.1 3.0 81 1.0 107 ^a 	25.3 121.1 8.900 25.1 23.2 4.5 68.4 34.0 95 92.4 8,592 2.4 14.4 13.2	21.5 84.3 8.34 35.2 32.5 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8			



Low-

Sub-Saharan Africa Low income

	Countr	y data	income group
	2005	2010	2010
Economic and social context			
Population (millions)	36	41	796
Urban population (% of total)	21	22	28
GNI per capita, World Bank Atlas method (\$)	520	810	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.4	4.3	5.7
Adult literacy rate (% ages 15 and older)	74	87	61
Gross primary, secondary, tertiary school enrollment (%)	59	67	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	C	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	70	80	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	6.0	
Telecommunications investment (% of revenue)	76.3	28.0	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.9	
Mobile-cellular telephone subscriptions (per 100 people)	12.9	61.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.02	0.01	
Households with a computer (%)	2.6	4.1	
Households with Internet access at home (%) Usage	1.2	4.0	a 1.6
Int'l. voice traffic, total (minutes/subscription/month)	3.8	3.2	
Domestic mobile traffic (minutes/subscription/month)	12.7	84.4	
Individuals using the Internet (%)	3.1	25.9	5.7
Quality			
Population covered by a mobile-cellular network (%)	62	89	
Fixed (wired)-broadband subscriptions (% of total Internet)	6.7	34.0	
International Internet bandwidth (bit/s per Internet user) Affordability	103	1,926	1,737
Fixed-telephone sub-basket (\$ a month)		14.2	8.8
Mobile-cellular sub-basket (\$ a month)		10.8	
Fixed-broadband sub-basket (\$ a month)		37.9	
Trade		0110	0
ICT goods exports (% of total goods exports)	0.2	1.4	
ICT goods imports (% of total goods imports)	4.1	7.2	
ICT service exports (% of total service exports)	9.5	9.8	
Applications	5.5	5.0	
E-government Web measure index (0-1, 1=highest presence)	0.35	0.43	0.20
Secure Internet servers (per million people)	0.33	3.2	
ocours internet servers (per million people)	0.5	5.2	0.0

Kiribati

East Asia & Pacific L	ower m	iddle i	ncome
			Lower middle-
	Country	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.09	0.10	2,519
Urban population (% of total)	44	44	39
GNI per capita, World Bank Atlas method (\$)	1,780	2,000	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.3	0.2	6.4
Adult literacy rate (% ages 15 and older)			71
Gross primary, secondary, tertiary school enrollment (%)	76	73	
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service		P	
Internet service		С	
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			3.4
Telecommunications investment (% of revenue)			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	4.6	4.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	0.7	10.0	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00a	0.90	1.04
Households with a computer (%)	6.0		11.3
Households with Internet access at home (%) Usage	2.5		7.5
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	4.0a	9.0	13.5
Quality			
Population covered by a mobile-cellular network (%)			86
Fixed (wired)-broadband subscriptions (% of total Internet)			57.1
International Internet bandwidth (bit/s per Internet user)		2,232	a 4,896
Affordability		44.5	
Fixed-telephone sub-basket (\$ a month)		11.5	
Mobile-cellular sub-basket (\$ a month)		17.3	
Fixed-broadband sub-basket (\$ a month)		383.1	32.4
			0.0
Trade			
ICT goods exports (% of total goods exports)			
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.3	8.1	10.4
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)			10.4
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications	1.3	8.1	10.4 27.9
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.3	8.1	27.9 0.31

Korea, Dem. Rep.

East Asia & Pacific Low income

	Countr	y data	Low-
	2005	2010	group 2010
Economic and social context			
Population (millions)	24	24	796
Urban population (% of total)	62	63	28
GNI per capita, World Bank Atlas method (\$)			530
GDP growth, 2000-05 and 2005-10 (avg. annual %)			5.7
Adult literacy rate (% ages 15 and older)		100	61
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	4.2	4.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.0	1.8	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.05
Households with a computer (%)			2.8
Households with Internet access at home (%)			1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	0.0	0.0	5.7
individuals using the internet (70)			
Quality			
Quality	0		
Quality Population covered by a mobile-cellular network (%)	0		
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	-		 1,737
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)			
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability			 1,737
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)			 1,737 8.8
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)			1,737 8.8 13.0
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			1,737 8.8 13.0
			1,737 8.8 13.0
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade			 1,737 8.8 13.0 54.6
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)			 1,737 8.8 13.0 54.6
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)			 1,737 8.8 13.0 54.6
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			 1,737 8.8 13.0 54.6

Korea, Rep.

	Countr	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	48	49	1,127
Urban population (% of total)	81	82	78
GNI per capita, World Bank Atlas method (\$)	16,900	19,890	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.5	3.4	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	98	101	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	49	49-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	4.6	2.6
Telecommunications investment (% of revenue)	14.4	11.9	16.3
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	50.8	59.2	44.4
Mobile-cellular telephone subscriptions (per 100 people)	81.5	105.4	
Fixed (wired)-broadband subscriptions (per 100 people)	25.91	35.68	
Households with a computer (%)	79.7a	81.8	
Households with Internet access at home (%)	92.7	96.8	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	3.2	3.5	
Domestic mobile traffic (minutes/subscription/month)	175.8	175.6	
Individuals using the Internet (%)	73.5	83.7	73.6
Quality			
Population covered by a mobile-cellular network (%)	80	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	96.0
International Internet bandwidth (bit/s per Internet user) Affordability	1,439	11,878	60,241
Fixed-telephone sub-basket (\$ a month)		5.3	21.2
Mobile-cellular sub-basket (\$ a month)		14.4	22.3
Fixed-broadband sub-basket (\$ a month)		24.0	26.3
Trade			
ICT goods exports (% of total goods exports)	30.0	21.4	10.4
ICT goods imports (% of total goods imports)	15.2	11.9	12.5
ICT service exports (% of total service exports)	1.0	1.2	8.1
Applications	0.00	4.65	0.65
E-government Web measure index (0-1, 1=highest presence)	0.83	1.00	0.68
Secure Internet servers (per million people)	20.0	2,536.4	1,068.0



Europe & Central Asia L	ower n	niddle i	ncome
	Counti	n, doto	Lower middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	2	2	2,519
Urban population (% of total)			200
GNI per capita, World Bank Atlas method (\$)	2,460	3,290	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.9	5.3	6.4
Adult literacy rate (% ages 15 and older)			. 71
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			•
Sector efficiency and capacity			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)			6.0
Mobile-cellular telephone subscriptions (per 100 people)			71.7
Fixed (wired)-broadband subscriptions (per 100 people)			1.04
Households with a computer (%)			11.3
Households with Internet access at home (%)			7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)			13.5
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)			
International Internet bandwidth (bit/s per Internet user)			4,896
Affordability			
Fixed-telephone sub-basket (\$ a month)			40 7
Mobile-cellular sub-basket (\$ a month)			10.7 32.4
Fixed-broadband sub-basket (\$ a month) Trade			32.4
ICT goods exports (% of total goods exports)			8.3
			10.4
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)			07.0
Applications			21.3
E-government Web measure index (0-1, 1=highest presence)			0.31
Secure Internet servers (per million people)			0.4
Cooking internet per training people)			5.4

Kuwait

	Counti	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	2	3	1,127
Urban population (% of total)	98	98	78
GNI per capita, World Bank Atlas method (\$)	34,650		38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.9		0.6
Adult literacy rate (% ages 15 and older)	93	94	98
Gross primary, secondary, tertiary school enrollment (%)	83		94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	М	
Mobile telephone service	Р	М	
Internet service	P	P	
Foreign ownership (percentage allowed)	25	25	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5		2.6
Telecommunications investment (% of revenue)	27.0		16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	22.3	20.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	100.6	160.8	
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	1.68	
Households with a computer (%)	32.0	37.5	
Households with Internet access at home (%)	27.0	31.6	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	25.9	38.3	73.6
Quality			
Population covered by a mobile-cellular network (%)	100	100 ^a	100
Fixed (wired)-broadband subscriptions (% of total Internet)	8.8		96.0
International Internet bandwidth (bit/s per Internet user) Affordability	1,503	9,553	60,241
Fixed-telephone sub-basket (\$ a month)		8.6	21.2
Mobile-cellular sub-basket (\$ a month)		7.8	22.3
Fixed-broadband sub-basket (\$ a month)		19.2	26.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	10.4
ICT goods imports (% of total goods imports)	5.0	6.4	12.5
ICT service exports (% of total service exports)			8.1
Applications	0.50	0.50	0.00
E-government Web measure index (0-1, 1=highest presence)	0.52	0.58	0.68
Secure Internet servers (per million people)	35.3	180.2	1,068.0

Kyrgyz Republic

Europe & Central Asia

Low income

	Country	y data	Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	5	5	796
Urban population (% of total)	36	37	28
GNI per capita, World Bank Atlas method (\$)	450	830	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.1	5.0	5.7
Adult literacy rate (% ages 15 and older)		99	61
Gross primary, secondary, tertiary school enrollment (%)	79	76	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	37-100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.5	7.9	
Telecommunications investment (% of revenue)	3.2	18.6	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	8.7	9.2	1.1
Mobile-cellular telephone subscriptions (per 100 people)	10.7	98.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.05	0.29	
Households with a computer (%)	1.0a	4.0	
Households with Internet access at home (%)	0.8a	3.2	
Usage	0.0	0.2	1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		104.9	
Individuals using the Internet (%)	10.5	20.0	
Quality	10.0	2010	0
Population covered by a mobile-cellular network (%)		96	
Fixed (wired)-broadband subscriptions (% of total Internet)	16.2	22.4	
International Internet bandwidth (bit/s per Internet user)	516	281	
Affordability	010	201	2,.0.
Fixed-telephone sub-basket (\$ a month)		1.2	8.8
Mobile-cellular sub-basket (\$ a month)		3.6	
Fixed-broadband sub-basket (\$ a month)		54.6	
Trade		0	0
ICT goods exports (% of total goods exports)	0.1	0.6	
ICT goods imports (% of total goods imports)	3.3	2.7	
ICT service exports (% of total service exports)	2.9	3.3	
Applications	2.0	0.0	••
E-government Web measure index (0-1, 1=highest presence)	0.42	0.42	0.20
Secure Internet servers (per million people)	0.6	2.5	
The second secon		0	2.0

Lao PDR

East Asia & Pacific	Lower m	ower middle in			ower middle inco	
			Lower middle-			
	Countr	Country data				
	2005	2010	group 2010			
Economic and social context						
Population (millions)	6	6	2,519			
Urban population (% of total)	27	33	39			
GNI per capita, World Bank Atlas method (\$)	470	1,040	1,623			
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.2	7.8	6.4			
Adult literacy rate (% ages 15 and older)	73		71			
Gross primary, secondary, tertiary school enrollment (%)	60	61				
Sector structure						
Separate telecommunications/ICT regulator	No	Yes				
Status of main fixed-line operator	Public	Mixed				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)	M	М				
Mobile telephone service	Р	Р				
Internet service	Р	Р				
Foreign ownership (percentage allowed)	49-100	49-100				
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	No				
Sector efficiency and capacity						
Talanammuninationa rayanya (9/ of CDD)	1.8	3.8	3.4			
Telecommunications revenue (% of GDP)	1.0	3.0				
Telecommunications investment (% of revenue)	63.0	53.8				
Telecommunications investment (% of revenue) Sector performance Access	63.0	53.8				
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	63.0	53.8	6.0			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	1.6 11.4	53.8 1.7 64.6	6.0			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	1.6 11.4 0.01	1.7 64.6 0.19	6.0 71.7 1.04			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.6 11.4 0.01 2.0	1.7 64.6 0.19 6.9	6.0 71.7 1.04 a 11.3			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	1.6 11.4 0.01	1.7 64.6 0.19	6.0 71.7 1.04 a 11.3			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	1.6 11.4 0.01 2.0	1.7 64.6 0.19 6.9	6.0 71.7 1.04 a 11.3 a 7.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.6 11.4 0.01 2.0 1.0	1.7 64.6 0.19 6.9 3.4	6.0 71.7 1.04 a 11.3 a 7.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.6 11.4 0.01 2.0 1.0	1.7 64.6 0.19 6.9 3.4	6.0 71.7 1.04 a 11.3 a 7.5 6.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.6 11.4 0.01 2.0 1.0	1.7 64.6 0.19 6.9 3.4	6.0 71.7 1.04 a 11.3 a 7.5 6.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.6 11.4 0.01 2.0 1.0	1.7 64.6 0.19 6.9 3.4	6.0 71.7 1.04 11.3 a 7.5 6.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.6 11.4 0.01 2.0 1.0 59.6 0.9	53.8 1.7 64.6 0.19 6.9 3.4 	6.0 71.7 1.04 11.3 a 11.3 7.5 6.1 13.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.6 11.4 0.01 2.0 1.0 59.6 0.9	53.8 1.7 64.6 0.19 6.9 3.4 7.0	6.0 71.7 1.04 11.3a 11.3a 7.5 6.1 13.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	1.6 11.4 0.01 2.0 1.0 59.6 0.9	1.7 64.6 0.19 6.9 3.4 7.0	6.0 71.7 1.04 11.3a 11.3a 7.5 6.1 13.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.6 11.4 0.01 2.0 1.0 59.6 0.9	1.7 64.6 0.19 6.9 3.4 7.0	6.0 71.7 1.04 a 11.3 a 7.5 6.1 13.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.6 11.4 0.01 2.0 1.0 59.6 0.9 55 5.0 409	1.7 64.6 0.19 6.9 3.4 7.0 80 53.7 2,304	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.6 11.4 0.01 2.0 1.0 59.6 0.9 55 5.0 409	53.8 1.7 64.6 0.19 6.9 3.4 7.0 80 53.7 2,304 4.0	6.0 71.7 1.04 a 11.3 7.5 6.1 13.5 86 57.1 4,896			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.6 11.4 0.01 2.0 1.0 59.6 0.9 55 5.0 409	1.7 64.6 0.19 6.9 3.4 7.0 80 53.7 2,304 4.0 6.3	6.0 71.7 1.04 a 11.3 7.5 6.1 13.5 86 57.1 4,896			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.6 11.4 0.01 2.0 1.0 59.6 0.9 55 5.0 409	1.7 64.6 0.19 6.9 3.4 7.0 80 53.7 2,304 4.0 6.3	6.0 71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896 5.3			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.6 11.4 0.01 2.0 1.0 59.6 0.9 55 5.0 409	53.8 1.7 64.6 0.19 6.9 3.4 7.0 80 53.7 2,304 4.0 6.3 139.7	6.0 71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.6 11.4 0.01 2.0 1.0 59.6 0.9 55 5.0 409	1.7 64.6 0.19 6.9 3.4 7.0 80 53.7 2,304 4.0 6.3 139.7	6.0 71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.6 11.4 0.01 2.0 1.0 59.6 0.9 55 5.0 409	53.8 1.7 64.6 0.19 6.9 3.4 7.0 80 53.7 2,304 4.0 6.3 139.7	6.0 71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	1.6 11.4 0.01 2.0 1.0 59.6 0.9 55 5.0 409	53.8 1.7 64.6 0.19 6.9 3.4 7.0 80 53.7 2,304 4.0 6.3 139.7	6.0 71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9			

Latvia

Countr 2005 2 68 6,810 8.0 100 91 Yes Mixed C C C 100 A	2010 2 68 11,640 -1.8 100 82 Yes Mixed P C 100 A 3.6 25.9	57 5,886 6.3 93 73
2005 2 68 6,810 8.0 100 91 Yes Mixed C C 100 A	2010 2 68 11,640 -1.8 100 82 Yes Mixed P C 100 A	2,452 57 5,886 6.3 93 73
2 68 6,810 8.0 100 91 Yes Mixed C C C 100 A	2 68 11,640 -1.8 100 82 Yes Mixed P C 100 A 3.6	2,452 57 5,886 6.3 93 73
68 6,810 8.0 100 91 Yes Mixed C C C 100 A	68 11,640 -1.8 100 82 Yes Mixed P C 100 A	57 5,886 6.3 93 73
68 6,810 8.0 100 91 Yes Mixed C C C 100 A	68 11,640 -1.8 100 82 Yes Mixed P C 100 A	57 5,886 6.3 93 73
6,810 8.0 100 91 Yes Mixed C C C 100 A	11,640 -1.8 100 82 Yes Mixed P C 100 A	5,886 6.3 93 73
8.0 100 91 Yes Mixed C C C 100 A	-1.8 100 82 Yes Mixed P C 100 A	6.3 93 73
91 Yes Mixed C C 100 A	Yes Mixed P C 1000 A	2.4
Yes Mixed C C 100 A	Yes Mixed P C 1000 A	
 C C 100 A	Mixed P C 1000 A 3.6	
 C C 100 A	Mixed P C 1000 A 3.6	
 C C 100 A	 P C 100 A	
C C 100 A	P C 100 A	
C C 100 A	P C 100 A	
C 100 A	C 100 A	2.4
100 A	100 A	
A 4.0	3.6	
4.0	3.6	
	25.9	
31.7	23.6	21.5
81.2	102.4	84.3
2.64	19.31	8.34
32.0	62.8	35.2
30.5	59.8	25.1
		3.2
72.2		137.9
46.0	71.1	34.1
		99
		69.0
2,621	29,977	9,037
	10.1	9.8
	10.1	14.9
	12.8	17.6
2.0	5.8	15.5
5.8	6.4	15.0
5.3	6.2	5.8
	0.59	0.46
0.59	205.0	20.1
	72.2 46.0 98 83.2 2,621 	72.2 46.0 71.1 98 83.2 2,621 29,977 10.1 10.1 12.8 2.0 5.8 6.4 5.3 6.2

Lebanon

Middle East & North Africa	Upper middle in		ncome
	Countr	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	4	4	2,452
Urban population (% of total)	87	87	5
GNI per capita, World Bank Atlas method (\$)	5,710	8,880	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.0	7.1	6.3
Adult literacy rate (% ages 15 and older)	90		93
Gross primary, secondary, tertiary school enrollment (%)	78	81	73
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	С	M	
Internet service	С	С	
Foreign ownership (percentage allowed)		100	
Reg. treatment of VoIP (banned, closed, no framework, allowed	l) B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	7.9		2.
Tologonimanioadono revenue (% or apri)	1.5		2.4
Telecommunications investment (% of revenue)			
Telecommunications investment (% of revenue) Sector performance Access			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	15.7	21.0	21.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	15.7 24.5 ^a	21.0 68.0	21.84
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	15.7 24.5 ^a 3.21	21.0 68.0 4.73	21.1 84.3 8.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	15.7 24.5 ^a 3.21 24.0	21.0 68.0 4.73 ⁶ 31.7 ⁶	21.84.3 8.34 35.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	15.7 24.5 ^a 3.21	21.0 68.0 4.73	21.84.3 8.34 35.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	15.7 24.5 ^a 3.21 24.0 4.4	21.0 68.0 4.73 ³ 31.7 ³ 29.7 ³	21.1 84.3 8.3 35.1 25.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	15.7 24.5 ^a 3.21 24.0 4.4 88.5	21.0 68.0 4.73 ³ 31.7 ³ 29.7 ³	21.4 84.3 8.3 35.3 25.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	15.7 24.5° 3.21 24.0 4.4 88.5 190.6	21.0 68.0 4.73 ³ 31.7 ⁴ 29.7 ⁴ 44.4 189.4	21.4 84.3 8.33 25.3 3.1 37.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	15.7 24.5 ^a 3.21 24.0 4.4 88.5	21.0 68.0 4.73 ³ 31.7 ³ 29.7 ³	21.! 84.3 8.34 35.1 25.3 3.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	15.7 24.5° 3.21 24.0 4.4 88.5 190.6	21.0 68.0 4.73 ³ 31.7 ⁴ 29.7 ⁴ 44.4 189.4	21.4 84.3 8.34 35.4 25. 3 137. 34.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.0 68.0 4.73 ³ 31.7 ⁴ 29.7 ⁴ 44.4 189.4 31.0	21.4 84.3 8.3 353 25. 3.1 37.1 34.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.0 68.0 4.73 ³ 31.7 ³ 29.7 ³ 44.4 189.4 31.0 95 61.9	21.4 84.3 8.3 35.1 25. 3.1 37. 34. 99.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.0 68.0 4.73 ³ 31.7 ⁴ 29.7 ⁴ 44.4 189.4 31.0	21.4 84.3 8.3 35.1 25. 3.1 37. 34. 99.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wsage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.0 68.0 4.73 ³ 31.7 ³ 29.7 ³ 44.4 189.4 31.0 95 61.9	21.9 84.3 8.3 35.2 3.2 137.9 34.1 99 69.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.0 68.0 4.73 ³ 31.7 ³ 29.7 ³ 44.4 189.4 31.0 95 61.9 1,908	21.! 84.: 8.34 8.35.2 25.:
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.0 68.0 4.73' 31.7' 29.7' 44.4 189.4 31.0 95 61.9	21.8 84.3 8.3 35.2 3.2 137.9 34.1 9.6 9,03
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.0 68.0 4.73 ³ 31.7 ³ 29.7 ³ 44.4 189.4 31.0 95 61.9 1,908 10.3 27.3	21.8 84.3 8.3 35.2 3.2 137.9 34.1 9.6 9,03
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.0 68.0 4.73 ³ 31.7 ³ 29.7 ³ 44.4 189.4 31.0 95 61.9 1,908 10.3 27.3	21.1 84.4 83.3 35.2 25. 3.1 37. 34. 9.0 9.0 9.0 14.
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.0 68.0 4.73 ³ 31.7 ⁴ 29.7 ⁴ 44.4 189.4 31.0 95 61.9 1,908 10.3 27.3 23.0	21.1. 84.4. 84.3. 35.1. 25. 3.1. 34. 9.03 9.03 9.03
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706 	21.0 68.0 4.73° 31.7° 29.7° 44.4 189.4 31.0 95 61.9 1,908 10.3 27.3 23.0	21.1. 84.4. 8.3. 35.5. 35.5. 3.137. 34. 9.0 69.0 9.03 9.1 14.1 17.1 15.1 15.1 15.1 15.1 15.1 15.1 15
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.0 68.0 4.73' 31.7' 29.7' 44.4 189.4 31.0 95 61.9 1,908 10.3 27.3 23.0 7.1 2.8	21.1. 84.4. 8.3. 35.5. 35.5. 3.137. 34. 9.0 69.0 9.03 9.1 14.1 17.1 15.1 15.1 15.1 15.1 15.1 15.1 15
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706 	21.0 68.0 4.73' 31.7' 29.7' 44.4 189.4 31.0 95 61.9 1,908 10.3 27.3 23.0 7.1 2.8	21.8 84.3 8.3 35.2 137.9 34.3 9.6 9.03

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	ower middle incon		
			Lower middle- income
	Countr	y data	group
	2005	2010	2010
Economic and social context			
Population (millions)	2	2	2,519
Urban population (% of total)	23	27	39
GNI per capita, World Bank Atlas method (\$)	760	1,090	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.9	4.5	
Adult literacy rate (% ages 15 and older)	86	90	71
Gross primary, secondary, tertiary school enrollment (%)	60		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.6	3.0	3.4
Telecommunications investment (% of revenue)	20.9	16.9	
Telecommunications investment (% of revenue)	20.9	16.9	
	20.9	16.9	
Telecommunications investment (% of revenue) Sector performance	20.9	16.9	
Telecommunications investment (% of revenue) Sector performance Access			6.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	2.3	1.8	6.0 71.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	2.3 12.1	1.8 45.5	6.0 71.7 a 1.04
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	2.3 12.1 0.00 ^a	1.8 45.5 0.02	6.0 71.7 a 1.04 a 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	2.3 12.1 0.00 ^a 3.0	1.8 45.5 0.02 5.0	6.0 71.7 a 1.04 a 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	2.3 12.1 0.00 ^a 3.0	1.8 45.5 0.02 5.0	6.0 71.7 a 1.04 a 11.3 a 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	2.3 12.1 0.00 ^a 3.0 0.6	1.8 45.5 0.02 5.0 1.3	6.0 71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	2.3 12.1 0.00 ^a 3.0 0.6	1.8 45.5 0.02 5.0 1.3	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	2.3 12.1 0.00 ^a 3.0 0.6	1.8 45.5 0.02 5.0 1.3	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	2.3 12.1 0.00 ^a 3.0 0.6	1.8 45.5 0.02 5.0 1.3	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	2.3 12.1 0.00 ^a 3.0 0.6 26.2 2.6 ^a	1.8 45.5 0.02 5.0 1.3 15.4 3.9	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	2.3 12.1 0.00a 3.0 0.6 26.2 2.6a 29	1.8 45.5 0.02 5.0 1.3 15.4 3.9	6.0 71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	2.3 12.1 0.00° 3.0 0.6 26.2 2.6° 29	1.8 45.5 0.02 5.0 1.3 15.4 3.9	6.0 71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	2.3 12.1 0.00° 3.0 0.6 26.2 2.6° 29	1.8 45.5 0.02 5.0 1.3 15.4 3.9	6.0 71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	2.3 12.1 0.00 ^a 3.0 0.6 26.2 2.6 ^a 29 1.8	1.8 45.5 0.02 5.0 1.3 15.4 3.9 	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	2.3 12.1 0.00° 3.0 0.6 26.2 2.6° 29 1.8 80	1.8 45.5 0.02 5.0 1.3 15.4 3.9 10.1 310	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	2.3 12.1 0.00° 3.0 0.6 26.2 2.6° 29 1.8 80	1.8 45.5 0.02 5.0 1.3 15.4 3.9 10.1 310 24.1 51.0	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	2.3 12.1 0.00° 3.0 0.6 26.2 2.6° 29 1.8 80	1.8 45.5 0.02 5.0 1.3 15.4 3.9 10.1 310	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	2.3 12.1 0.00° 3.0 0.6 26.2 2.6° 29 1.8 80	1.8 45.5 0.02 5.0 1.3 15.4 3.9 10.1 310 24.1 51.0	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	2.3 12.1 0.00° 3.0 0.6 26.2 2.6° 29 1.8 80	1.8 45.5 0.02 5.0 1.3 15.4 3.9 10.1 310 24.1 51.0	6.0 71.7 1.04 11.3 11.3 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	2.3 12.1 0.00 ^a 3.0 0.6 26.2 2.6 ^a 29 1.8 80 3.3 1.1	1.8 45.5 0.02 5.0 1.3 15.4 3.9 10.1 310 24.1 51.0 20.9 2.7	6.0 71.7 1.04 11.3 11.3 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	2.3 12.1 0.00 ^a 3.0 0.6 26.2 2.6 ^a 29 1.8 80 3.3 1.1	1.8 45.5 0.02 5.0 1.3 15.4 3.9 10.1 310 24.1 51.0 20.9 2.7	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3

Liberia

Sub-Saharan Africa Low income

	Countr	v data	Low- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	3	4	796
Urban population (% of total)	58	62	28
GNI per capita, World Bank Atlas method (\$)	130	200	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-6.8	6.9	5.7
Adult literacy rate (% ages 15 and older)	54	59	61
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	P	
Internet service		С	
Foreign ownership (percentage allowed)	b		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.2		
Telecommunications investment (% of revenue)			
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	0.1	0.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.0	39.3	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)	0.8	1.1	
Households with Internet access at home (%)			4.0
Usage			1.0
Int'l. voice traffic, total (minutes/subscription/month)		11.1	
Domestic mobile traffic (minutes/subscription/month)	0.0	91.8	
Individuals using the Internet (%)	0.6	7.0	5.7
Quality			
Population covered by a mobile-cellular network (%)	16		
Fixed (wired)-broadband subscriptions (% of total Internet)			
International Internet bandwidth (bit/s per Internet user)		197	1,737
Affordability Fixed-telephone sub-basket (\$ a month)			8.8
Mobile-cellular sub-basket (\$ a month)			13.0
Fixed-broadband sub-basket (\$ a month)			54.6
Trade			34.0
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.22	0.19	0.20
Secure Internet servers (per million people)		1.2	
e contra			



Middle East & North Africa	Jpper m	iuuic i	ICOIIIC
			Upper middle-
	Country		income
	2005	2010	group 2010
Economic and social context			
Population (millions)	6	6	2,452
Urban population (% of total)	77	78	57
GNI per capita, World Bank Atlas method (\$)	6,460	12,320	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.7	4.5	6.3
Adult literacy rate (% ages 15 and older)	86	89	93
Gross primary, secondary, tertiary school enrollment (%)	93		73
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	М	
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	 14.8ª	19.3	21.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	14.8 ^a 34.7	19.3 ¹	21.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	14.8 ^a 34.7 0.16	19.3 ³ 171.5 ³	³ 21.5 ³ 84.3 ³ 8.34
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	14.8 ^a 34.7 0.16 5.0	19.3° 171.5° 1.15° 14.6°	21.5 84.3 8.34 35.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	14.8 ^a 34.7 0.16	19.3 ³ 171.5 ³	21.5 84.3 8.34 35.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	14.8 ^a 34.7 0.16 5.0	19.3° 171.5° 1.15° 14.6°	21.5 21.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	14.8 ^a 34.7 0.16 5.0 3.0	19.3° 171.5° 1.15° 14.6° 9.2°	21.5 21.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	14.8 ^a 34.7 0.16 5.0 3.0	19.3° 171.5° 1.15° 14.6° 9.2°	21.8 3 84.3 3 85.2 3.2 3.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	14.8 ^a 34.7 0.16 5.0 3.0 84.0	19.3 171.5 1.15 14.6 9.2	21.8 3 84.3 3 85.2 3.2 3.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	14.8 ^a 34.7 0.16 5.0 3.0 84.0	19.3 171.5 1.15 14.6 9.2	21.5 3 84.3 84.3 35.2 3.2 3.2 137.5 3 34.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	14.8a 34.7 0.16 5.0 3.0 84.0 3.9a	19.3 171.5 1.15 14.6 9.2	21.5 3 21.5 84.3 8.3 3.3 3.2 3.2 3.2 3.3 3.4.3
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	14.8 ^a 34.7 0.16 5.0 3.0 84.0 3.9 ^a	19.3 171.5 1.15 14.6 9.2 14.0	3 21.5 3 84.3 3 83.3 3 35.2 3.2 137.5 9.6 69.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	14.8a 34.7 0.16 5.0 3.0 84.0 3.9a 71	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2	3 21.5 3 84.3 3 83.3 3 35.2 3.2 137.5 9.6 69.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	14.8a 34.7 0.16 5.0 3.0 84.0 3.9a 71	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2	21.5 3 84.3 3 83.2 3 35.2 137.5 3 34.1 90 69.0 9,037
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	14.8° 34.7 0.16 5.0 3.0 84.0 3.9° 71 11.7 442°	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2 11,240	21.5 3 84.3 3 83.2 3 35.2 137.5 3 34.3 9 69.0 9 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	14.8a 34.7 0.16 5.0 3.0 84.0 3.9a 71 11.7 442a	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2 11,240	321.8 33 84.3 35.2 325.3 327.9 34.3 34.3 35.2 32.3 35.2 32.3 32.3 32.3 33.3 34.3 35.3 36.3 37.9 37.9 38.3 39.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	14.8 ^a 34.7 0.16 5.0 3.0 84.0 3.9 ^a 71 11.7 442 ^a	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2 11,240	32 21.5 34.3 35.2 37.5 34.1 39.6 69.6 9,037 9.8 14.9
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	14.8 ^a 34.7 0.16 5.0 3.0 84.0 3.9 ^a 71 11.7 442 ^a	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2 11,240	3 21.5 3 84.5 3 85.2 3 35.2 3.2 137.5 9.0 69.0 14.5 17.6 15.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	14.8°a 34.7 0.16 5.0 3.0 84.0 3.9°a 71 11.7 442°a	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2 11,240	3 21.5 3 84.5 3 85.2 3 35.2 3.2 137.5 9.0 69.0 14.5 17.6 15.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	14.8a 34.7 0.16 5.0 3.0 84.0 3.9a 71 11.7 442a 	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2 11,240	3 21.5.4 3 84.3 3 83.3 3 35.2 3 32.3 3 34.3 9 69.0 9 9.0 14.5 15.5 15.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	14.8a 34.7 0.16 5.0 3.0 84.0 3.9a 71 11.7 442a	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2 11,240	3 21.5.4 3 84.3 3 83.3 3 35.2 3 32.3 3 34.3 9 69.0 9 9.0 14.5 15.5 15.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	14.8 ^a 34.7 0.16 5.0 3.0 84.0 3.9 ^a 71 11.7 442 ^a	19.3 171.5 1.15 14.6 9.2 14.0 98 8.2 11,240	3 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0

Liechtenstein

	Count	ry data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.03	0.04	1,127
Urban population (% of total)	15	14	78
GNI per capita, World Bank Atlas method (\$)	92,780	137,070	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.5	3.0	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	70	71	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	••		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8		2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access	F 7 7	E 4 43	
Fixed-telephone subscriptions (per 100 people)	57.7	54.4	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	79.3 24.84	98.5°	
Households with a computer (%)		03.63	77.1
Households with Internet access at home (%)			74.0
Usage			14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	63.4	80.0	73.6
Quality			
Population covered by a mobile-cellular network (%)	94		100
Fixed (wired)-broadband subscriptions (% of total Internet)	54.9		96.0
International Internet bandwidth (bit/s per Internet user)	6,822	6,033	60,241
Affordability Fixed-telephone sub-basket (\$ a month)		29.0	21.2
Mobile-cellular sub-basket (\$ a month)		23.4	22.3
Fixed-broadband sub-basket (\$ a month)		47.1	26.3
Trade		41.1	20.5
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0–1, 1=highest presence)	0.55	0.59	0.68
Secure Internet servers (per million people)	1,412.3		1,068.0
,			

Lithuania

Europe & Central Asia	Upper m	niddle i	ncome
	Countr	y data	Upper middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	3	3	2,452
Urban population (% of total)	67	67	57
GNI per capita, World Bank Atlas method (\$)	7,280	11,510	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.0	0.5	6.3
Adult literacy rate (% ages 15 and older)	100	100	93
Gross primary, secondary, tertiary school enrollment (%)	93	92	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	2.7	2.4
Telecommunications investment (% of revenue)	15.6	13.9	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	23.5	22.1	21.5
Mobile-cellular telephone subscriptions (per 100 people)	127.5	147.2	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	6.85	20.58	8.34
Households with a computer (%)	32.0	59.2	35.2
Households with Internet access at home (%)	15.8	60.6	25.1
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	6.0	5.4	3.2
Domestic mobile traffic (minutes/subscription/month)	55.7	11.5	137.9
Individuals using the Internet (%)	36.2	62.1	34.1
Quality			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	90.9	99.8	
International Internet bandwidth (bit/s per Internet user)	4,030	45,426	9,037
Affordability			
Fixed-telephone sub-basket (\$ a month)		13.1	
Mobile-cellular sub-basket (\$ a month)		9.6	
Fixed-broadband sub-basket (\$ a month) Trade		10.3	17.6
ICT goods exports (% of total goods exports)	5.3	2.7	15.5
ICT goods imports (% of total goods imports)	6.4	4.1	
ICT service exports (% of total service exports)	3.4	3.7	
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.66	0.70	0.46
Secure Internet servers (per million people)	21.7	237.0	20.1

Luxembourg

	Count	ry data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.47	0.51	1,127
Urban population (% of total)	83	82	78
GNI per capita, World Bank Atlas method (\$)	69,300	76,980	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.5	1.5	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	76	75	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	1.2	2.6
Telecommunications investment (% of revenue)	18.3	18.6	16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	53.5	53.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	111.5	143.3	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	15.33	33.18	
Households with a computer (%)	75.0	90.2	77.1
Households with Internet access at home (%)	64.6	90.3	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	74.2	69.1	
Domestic mobile traffic (minutes/subscription/month)	79.7	78.9	
Individuals using the Internet (%)	70.0	90.0	73.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	58.9	100.0	96.0
International Internet bandwidth (bit/s per Internet user) Affordability	29,528	87,584	60,241
Fixed-telephone sub-basket (\$ a month)		27.0	21.2
Mobile-cellular sub-basket (\$ a month)		25.8	22.3
Fixed-broadband sub-basket (\$ a month)		38.1	26.3
Trade		00.1	20.0
ICT goods exports (% of total goods exports)	7.9	2.9	10.4
ICT goods imports (% of total goods imports)	8.4	4.9	12.5
ICT service exports (% of total service exports)	8.7	5.1	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.75	0.70	0.68
Secure Internet servers (per million people)	473.0	1,886.6	1,068.0
V		,	,

Macao SAR, China

	Country	y data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.48	0.54	1,127
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)	22,800	34,880	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	12.8	10.1	0.6
Adult literacy rate (% ages 15 and older)	93		98
Gross primary, secondary, tertiary school enrollment (%)	87	82	94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	1.8	2.6
Telecommunications investment (% of revenue)	16.8	10.2	16.3
Sector performance			
Access	00.0	20.0	
Fixed-telephone subscriptions (per 100 people)	36.2	30.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	110.7	206.4	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	14.13	24.16	26.54
Households with a computer (%)	68.1	80.1	
Households with Internet access at home (%)	56.9ª	80.0	74.0
Usage	27.5	25.0	
Int'l. voice traffic, total (minutes/subscription/month)	37.5	35.0	
Domestic mobile traffic (minutes/subscription/month)	123.1		70.0
Individuals using the Internet (%)	34.9	56.8	73.6
Quality	100	100	100
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	76.8	99.0	96.0
International Internet bandwidth (bit/s per Internet user)	9,534	30,768	60,241
Affordability		0.4	04.0
Fixed-telephone sub-basket (\$ a month)		8.4	21.2
Mobile-cellular sub-basket (\$ a month)		5.7	22.3
Fixed-broadband sub-basket (\$ a month)		9.0	26.3
Trade	0.0	4.0	40.4
ICT goods exports (% of total goods exports)	2.8	4.6	10.4
ICT goods imports (% of total goods imports)	9.7	12.6	12.5
ICT service exports (% of total service exports) Applications			8.1
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	54.0	239.3	1,068.0
assails internet correts (per minion people)	07.0	200.0	1,000.0

Macedonia, FYR

Europe & Central Asia l	Jpper m	pper middle inc		
			Upper middle-	
	Countr	Country data		
	2005	2010	group 2010	
Economic and social context				
Population (millions)	2	2	2,452	
Urban population (% of total)	65	68	5	
GNI per capita, World Bank Atlas method (\$)	2,900	4,570	5,886	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.9	3.4	6.3	
Adult literacy rate (% ages 15 and older)	96	97	93	
Gross primary, secondary, tertiary school enrollment (%)	70	71	73	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	M			
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (percentage allowed)	100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	5.5	5.7	2.4	
releasining in actions (% of act)				
Telecommunications investment (% of revenue)	9.8	14.0		
• • •	9.8	14.0		
Telecommunications investment (% of revenue)	9.8	14.0		
Telecommunications investment (% of revenue) Sector performance Access	9.8	20.0	21.	
Telecommunications investment (% of revenue) Sector performance				
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	26.2	20.0	84.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	26.2 55.5	20.0 104.5	84.3 8.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	26.2 55.5 0.61	20.0 104.5 12.47	84.3 8.34 35.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	26.2 55.5 0.61 24.9	20.0 104.5 12.47 60.3	84.3 8.34 35.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	26.2 55.5 0.61 24.9	20.0 104.5 12.47 60.3	84.3 8.34 35.2 25.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	26.2 55.5 0.61 24.9 12.5	20.0 104.5 12.47 60.3 49.2	84.3 8.3 ⁴ 35.2 25.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	26.2 55.5 0.61 24.9 12.5	20.0 104.5 12.47 60.3 49.2	84.3 8.3 ⁴ 35.2 25.1 3.2 137.9	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	26.2 55.5 0.61 24.9 12.5 15.2 28.7	20.0 104.5 12.47 60.3 49.2 16.8 102.6	84.3 8.3 ⁴ 35.2 25.1 3.2 137.9	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	26.2 55.5 0.61 24.9 12.5 15.2 28.7	20.0 104.5 12.47 60.3 49.2 16.8 102.6	84.3 8.34 35.2 25.1 3.2 137.9 34.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9	84.3 8.34 35.2 3.2 3.2 3.3 34.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9	84.3 8.34 35.2 3.2 3.2 34.3 99 69.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a 99	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9	84.3 8.34 35.2 3.2 3.2 34.3 99 69.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a 99	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9	84.3 8.3 ⁴ 35.2 3.2 137.9 34.1 99 69.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5° 99 11.5 63°	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9 100 99.4	84.3 8.3 ² 35.2 3.2 137.9 34.1 99 69.0 9,033	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9 100 99.4 16,831	84.3 8.34 3 35.2 3.2 137.9 34.1 99.6 69.0 9,033 9.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9 100 99.4 16,831 11.9 23.4	84.3 8.34 3 35.2 3.2 137.9 34.1 99.6 69.0 9,033 9.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9 100 99.4 16,831 11.9 23.4	84.3 8.3 ³ 35.1 3.25.3 137.9 34.3 9.69.0 9.03 9.14.5 17.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5a 99 11.5 63a	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9 100 99.4 16,831 11.9 23.4 12.8	84.3 8.3 ² 35.2 3.2 137.9 34.1 99 69.0 9,037 14.9 17.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a 	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9 100 99.4 16,831 11.9 23.4 12.8	84.3 8.3 ⁴ 35.2 3.2 137.9 34.1 99 69.0 14.9 17.6 15.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a 	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9 100 99.4 16,831 11.9 23.4 12.8 0.4 4.7	84.3 8.3 ⁴ 35.2 3.2 137.9 34.1 99 69.0 14.9 17.6 15.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	26.2 55.5 0.61 24.9 12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a 	20.0 104.5 12.47 60.3 49.2 16.8 102.6 51.9 100 99.4 16,831 11.9 23.4 12.8 0.4 4.7	84.3 8.3 ² 35.2 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9	

Madagascar

Low-

Sub-Saharan Africa Low income

	Countr	v data	Low- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	18	21	796
Urban population (% of total)	29	30	28
GNI per capita, World Bank Atlas method (\$)	300	430	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.0	3.1	5.7
Adult literacy rate (% ages 15 and older)	71	64	61
Gross primary, secondary, tertiary school enrollment (%)	62	67	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	С	C	:
Internet service	С	C	:
Foreign ownership (percentage allowed)	66	66-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.8	
Telecommunications investment (% of revenue)	32.8		
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	0.5	0.7	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.9	37.2	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.03	0.05
Households with a computer (%)	0.5	1.4	2.8
Households with Internet access at home (%)	0.4a	1.1	a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	14.7	1.7	٠
Domestic mobile traffic (minutes/subscription/month)	7.7	3.3	
Individuals using the Internet (%)	0.6	1.7	a 5.7
Quality Population covered by a mobile-cellular network (%)	23		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	60.9	
International Internet bandwidth (bit/s per Internet user)	335	5,512	
Affordability		-,	_,
Fixed-telephone sub-basket (\$ a month)		18.2	8.8
Mobile-cellular sub-basket (\$ a month)		15.4	13.0
Fixed-broadband sub-basket (\$ a month)		90.6	54.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	
ICT goods imports (% of total goods imports)	4.6	3.1	
ICT service exports (% of total service exports)	0.5		
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.31	0.32	0.20
Secure Internet servers (per million people)	0.2	0.5	0.8



Sub-Saharan Africa Low income

	Country data		Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	13	15	796
Urban population (% of total)	17	20	28
GNI per capita, World Bank Atlas method (\$)	220	330	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.7	7.4	5.7
Adult literacy rate (% ages 15 and older)		74	61
Gross primary, secondary, tertiary school enrollment (%)	65	68	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	P	P	
Internet service	Р	P	
Foreign ownership (percentage allowed)	80-100	60-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	3.6	
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	1.1	
Mobile-cellular telephone subscriptions (per 100 people)	3.3	20.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.03	
Households with a computer (%)	1.0	4.5	
Households with Internet access at home (%)	0.6	2.9	a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		5.3	
Individuals using the Internet (%) Quality	0.4	2.3	5.7
Population covered by a mobile-cellular network (%)	70	85	
Fixed (wired)-broadband subscriptions (% of total Internet)	2.7	1.7	
International Internet bandwidth (bit/s per Internet user)	395	102	1,737
Affordability			
Fixed-telephone sub-basket (\$ a month)		4.3	8.8
Mobile-cellular sub-basket (\$ a month)		21.2	13.0
Fixed-broadband sub-basket (\$ a month)		561.9	54.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	
ICT goods imports (% of total goods imports)	3.5	5.2	
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0–1, 1=highest presence)	0.29	0.22	0.20
Secure Internet servers (per million people)	0.2	0.4	0.8

Malaysia

East Asia & Pacific	Upper middle income
Last Asia & Facilic	Opper illiadie illeville

			Upper middle-
	Country	y data	income group
	2005	2010	2010
Economic and social context			
Population (millions)	26	28	2,452
Urban population (% of total)	68	72	57
GNI per capita, World Bank Atlas method (\$)	5,110	7,760	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.1	4.2	6.3
Adult literacy rate (% ages 15 and older)	89	92	93
Gross primary, secondary, tertiary school enrollment (%)	71		73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)		_	
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	30	30	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			_
Telecommunications revenue (% of GDP)	4.6		2.4
Telecommunications investment (% of revenue)	22.5		•
Sector performance			
Access	40.7	40.4	04.5
Access Fixed-telephone subscriptions (per 100 people)	16.7	16.1	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	74.9	119.2	84.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	74.9 1.85	119.2 7.32	84.3 8.34
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	74.9 1.85 28.2	119.2 7.32 41.0	84.3 8.34 a 35.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	74.9 1.85	119.2 7.32	84.3 8.34 a 35.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	74.9 1.85 28.2 15.0a	119.2 7.32 41.0 55.6	84.3 8.34 35.2 25.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	74.9 1.85 28.2	119.2 7.32 41.0 55.6	84.3 8.34 35.2 25.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	74.9 1.85 28.2 15.0 ^a	119.2 7.32 41.0 55.6	84.3 8.34 35.2 25.1 3.2 137.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	74.9 1.85 28.2 15.0a	119.2 7.32 41.0 55.6	84.3 8.34 35.2 25.1 3.2 137.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	74.9 1.85 28.2 15.0 ^a 	119.2 7.32 41.0 55.6 56.3	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	74.9 1.85 28.2 15.0 ^a	119.2 7.32 41.0 55.6	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	74.9 1.85 28.2 15.0 ^a 48.6	119.2 7.32 41.0 55.6 56.3 95 29.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	74.9 1.85 28.2 15.0a 48.6	119.2 7.32 41.0 55.6 56.3	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	74.9 1.85 28.2 15.0a 48.6	119.2 7.32 41.0 55.6 56.3 95 29.9	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	74.9 1.85 28.2 15.0 ^a 48.6 93 11.6 252 ^a	119.2 7.32 41.0 55.6 56.3 95 29.9 11,445	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	74.9 1.85 28.2 15.0a 48.6 93 11.6 252a	119.2 7.32 41.0 55.6 56.3 95 29.9 11,445	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	74.9 1.85 28.2 15.0a 48.6 93 11.6 252a	119.2 7.32 41.0 55.6 56.3 95 29.9 11,445 5.1 7.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	74.9 1.85 28.2 15.0a 48.6 93 11.6 252a	119.2 7.32 41.0 55.6 56.3 95 29.9 11,445 5.1 7.5	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99.6 9,037 9.8 14.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	74.9 1.85 28.2 15.0a 48.6 93 11.6 252a	119.2 7.32 41.0 55.6 56.3 95 29.9 11,445 5.1 7.5 20.5	84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037 9.8 14.5 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	74.9 1.85 28.2 15.0a 48.6 93 11.6 252a	119.2 7.32 41.0 55.6 56.3 95 29.9 11,445 5.1 7.5 20.5	84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	74.9 1.85 28.2 15.0a 48.6 93 11.6 252a 43.4	119.2 7.32 41.0 55.6 56.3 95 29.9 11,445 5.1 7.5 20.5 34.0 29.8	84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	74.9 1.85 28.2 15.0a 48.6 93 11.6 252a 43.4	119.2 7.32 41.0 55.6 56.3 95 29.9 11,445 5.1 7.5 20.5 34.0 29.8	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0

Maldives

Economic and social context Population (millions) 0. Urban population (% of total) GNI per capita, World Bank Atlas method (\$) 3,3 GDP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	er m	niddle i	ncome
Economic and social context Population (millions) 0. Urban population (% of total) GNI per capita, World Bank Atlas method (\$) 3,3 GDP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription) Affordability Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	ountr	ry data	Upper middle- income
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Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription) Fixed (wired)-broadband subscriptions (% of total Internet) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			
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GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	34	41	,
GDP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	350	5,750	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscriptions (% of total Internet) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	7.1	8.5	
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Fixed-wired-broadband subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Fixed (wired)-broadband subscriptions (% of total Internet) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixede ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	98		0.
Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	74		. 73
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Fixed (wired)-broadband subscriptions (% of total Internet) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			
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International gateway(s) Mobile telephone service Internet service Foreign ownership (percentage allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	ixed	Mixed	l
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Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Fixed (wired)-broadband subscriptions (% of total Internet) Fixed (wired)-broadband subscriptions (% of total Internet) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	В	Е	3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT geods imports (% of total service exports)			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT geods imports (% of total service exports)	9.8		. 2.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	15.2		
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT geods imports (% of total service exports)			
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT geods imports (% of total service exports)	10.9	15.2	21.5
Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) 58 Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT geods imports (% of total service exports)	39.0	156.5	84.3
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) ICT service exports (% of total service exports)	1.10	4.80	8.3
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) ICT service exports (% of total service exports)	26.1a	54.4	35.2
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT geods imports (% of total service exports)	7.0a	22.9	25.:
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT geods imports (% of total service exports)			
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)			. 3.2
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) ICT service exports (% of total service exports)	55.8	209.3	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT geods imports (% of total service exports) ICT service exports (% of total service exports)	6.9	28.3	34.1
Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)			
International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	91	100	-
Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	71.7	90.7	69.0
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	613	32,328	9,03
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)		4.1	9.8
Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)		5.7	
Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)		9.3	
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)		3.0	21.0
ICT goods imports (% of total goods imports) 1: ICT service exports (% of total service exports)	0.2		. 15.
ICT service exports (% of total service exports)	11.2	6.5	
			-
			5.0
	0.45	0.33	0.46
	6.8	84.4	



Sub-Saharan Africa



Low-

	Country	v data	Low- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	13	15	796
Urban population (% of total)	31	33	28
GNI per capita, World Bank Atlas method (\$)	390	600	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.9	4.7	5.7
Adult literacy rate (% ages 15 and older)	26		61
Gross primary, secondary, tertiary school enrollment (%)	38	48	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	•
Mobile telephone service	Р	P)
Internet service	С	С	:
Foreign ownership (percentage allowed)		100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	6.1	
Telecommunications investment (% of revenue)	25.8	34.3	
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	0.6	0.7	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.8	48.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	
Households with a computer (%)	1.0a	3.0	
Households with Internet access at home (%)	0.7a	1.2	
Usage	0		1.0
Int'l. voice traffic, total (minutes/subscription/month)	5.0	3.9	
Domestic mobile traffic (minutes/subscription/month)	9.9	2.6	
Individuals using the Internet (%)	0.5	2.7	a 5.7
Quality Population covered by a mobile-cellular network (%)	20		
Fixed (wired)-broadband subscriptions (% of total Internet)	45.7	9.5	
International Internet bandwidth (bit/s per Internet user)	389	1,868	
Affordability		_,	-,
Fixed-telephone sub-basket (\$ a month)		8.5	8.8
Mobile-cellular sub-basket (\$ a month)		14.4	13.0
Fixed-broadband sub-basket (\$ a month)		50.1	54.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	
ICT goods imports (% of total goods imports)	2.2	2.6	
ICT service exports (% of total service exports)	15.7	23.2	·
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.16	0.32	0.20
Secure Internet servers (per million people)	0.1	0.9	0.8

Malta

	Counti	ry data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.40	0.42	1,127
Urban population (% of total)	94	95	78
GNI per capita, World Bank Atlas method (\$)	14,310	19,130	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.1	2.3	0.6
Adult literacy rate (% ages 15 and older)	92		98
Gross primary, secondary, tertiary school enrollment (%)	78	79	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.4	4.5	2.6
Telecommunications investment (% of revenue)	15.1	15.2	16.3
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	49.4	59.6	44.4
Mobile-cellular telephone subscriptions (per 100 people)	79.2	109.3	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	12.56	27.99	26.54
Households with a computer (%)	46.0	73.1	77.1
Households with Internet access at home (%)	40.6	70.4	74.0
Usage	10.0	10.1	11.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	40.3	68.7	
Individuals using the Internet (%)	41.2	63.0	73.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	57.9	97.6	96.0
International Internet bandwidth (bit/s per Internet user) Affordability	4,591	19,207	60,241
Fixed-telephone sub-basket (\$ a month)		12.8	21.2
Mobile-cellular sub-basket (\$ a month)		21.8	22.3
Fixed-broadband sub-basket (\$ a month)		18.2	26.3
Trade		10.2	20.0
ICT goods exports (% of total goods exports)	45.2	49.1	10.4
ICT goods imports (% of total goods imports)	25.5	18.0	12.5
ICT service exports (% of total service exports)	5.3	2.5	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.66	0.61	0.68
Secure Internet servers (per million people)	331.8	1,669.1	1,068.0

Marshall Islands

East Asia & Pacific I	ower m	iddle i	ncome
			Lower middle- income
	Countr	y data	group
	2005	2010	2010
Economic and social context			
Population (millions)	0.05	0.05	2,519
Urban population (% of total)	70	72	39
GNI per capita, World Bank Atlas method (\$)	3,560	3,640	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.8	0.9	6.4
Adult literacy rate (% ages 15 and older)			71
Gross primary, secondary, tertiary school enrollment (%)	69		
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)		В	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	5.0		3.4
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	8.5ª	8.1	
Mobile-cellular telephone subscriptions (per 100 people)	1.3	7.0	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)			
Households with Internet access at home (%) Usage			7.5
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	3.9	3.5	
Quality	0.0	0.0	10.0
Population covered by a mobile-cellular network (%)			86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		57.1
International Internet bandwidth (bit/s per Internet user)	1,156	23,766	
Affordability	1,130	20,700	4,000
Fixed-telephone sub-basket (\$ a month)			5.3
Mobile-cellular sub-basket (\$ a month)			10.7
Fixed-broadband sub-basket (\$ a month)			32.4
Trade			
ICT goods exports (% of total goods exports)			8.3
ICT goods imports (% of total goods imports)			10.4
ICT service exports (% of total service exports)			27.9
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.14	0.31
Secure Internet servers (per million people)	19.1	111.0	3.4

Mauritania

	ower iii	iddle i	ncome
			Lower middle-
	Country	y data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)	3	3	2,519
Urban population (% of total)	40	41	39
GNI per capita, World Bank Atlas method (\$)	720	1,000	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.5	4.3	6.4
Adult literacy rate (% ages 15 and older)	51	57	71
Gross primary, secondary, tertiary school enrollment (%)	47	50	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.8	6.9	3.4
Telecommunications investment (% of revenue) Sector performance	19.2	23.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	19.2	23.4	
Sector performance Access			6.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)	1.3	2.1	6.0 71.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	1.3 24.5	2.1 79.3	6.0 71.7 1.04
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	1.3 24.5 0.01	2.1 79.3 0.19	6.0 71.7 1.04 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.3 24.5 0.01 1.6a	2.1 79.3 0.19 3.0	6.0 71.7 1.04 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.3 24.5 0.01 1.6 ^a 0.6 ^a	2.1 79.3 0.19 3.0 1.4	6.C 71.7 1.04 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.3 24.5 0.01 1.6 ^a 0.6 ^a	2.1 79.3 0.19 3.0 1.4	6.0 71.7 1.04 11.3 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.3 24.5 0.01 1.6 ^a 0.6 ^a 8.7 47.1	2.1 79.3 0.19 3.0 1.4 7.1 40.1	6.0 71.7 1.04 11.3 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.3 24.5 0.01 1.6 ^a 0.6 ^a 8.7 47.1	2.1 79.3 0.19 3.0 1.4 7.1 40.1	6.0 71.7 1.04 11.3 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.3 24.5 0.01 1.6 ^a 0.6 ^a 8.7 47.1 0.7	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0	6.0 71.7 1.04 11.3 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.3 24.5 0.01 1.6a 0.6a 8.7 47.1 0.7	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.3 24.5 0.01 1.6 ^a 0.6 ^a 8.7 47.1 0.7	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0 62 60.6	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.3 24.5 0.01 1.6 ^a 0.6 ^a 8.7 47.1 0.7 26 7.2 2,204	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0 62 60.6 2,698	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.3 24.5 0.01 1.6 ^a 0.6 ^a 8.7 47.1 0.7 26 7.2 2,204	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0 62 60.6 2,698	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.3 24.5 0.01 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,204	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0 62 60.6 2,698 18.0 14.6	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.3 24.5 0.01 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,204	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0 62 60.6 2,698 18.0 14.6	6.0 71.7 1.04 11.3 7.5 6.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	1.3 24.5 0.01 1.6a 0.6a 8.7 47.1 0.7 26 7.2 2,204	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0 62 60.6 2,698 18.0 14.6	6.0 71.7 1.04 11.3 7.5 6.1 86 57.1 4,896 5.3 10.7 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.3 24.5 0.01 1.6 ^a 0.6 ^a 8.7 47.1 0.7 26 7.2 2,204	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0 62,698 18.0 14.6 23.5	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.3 24.5 0.01 1.6 ^a 0.6 ^a 8.7 47.1 0.7 26 7.2 2,204	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0 62,698 18.0 14.6 23.5	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wsage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.3 24.5 0.01 1.6 ^a 0.6 ^a 8.7 47.1 0.7 26 7.2 2,204	2.1 79.3 0.19 3.0 1.4 7.1 40.1 3.0 62,698 18.0 14.6 23.5	6.0 71.7 11.3 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4

Mauritius

Sub-Saharan Africa L	lpper m	iddle i	ncome
			Upper middle-
	Country	v data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)	1	1	2,452
Urban population (% of total)	42	43	57
GNI per capita, World Bank Atlas method (\$)	5,360	7,850	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.3	4.6	6.3
Adult literacy rate (% ages 15 and older)	84	88	93
Gross primary, secondary, tertiary school enrollment (%)	75	76	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	2.4	2.4
Telecommunications investment (% of revenue)	12.9	332.6	
Telecommunications investment (% of revenue) Sector performance Access			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	28.4	29.8	21.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	28.4 52.3	29.8 91.7	21.5 84.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	28.4 52.3 0.43	29.8 91.7 6.10	21.5 84.3 8.3 ⁴
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	28.4 52.3 0.43 22.5 ^a	29.8 91.7 6.10 37.7	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	28.4 52.3 0.43	29.8 91.7 6.10	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	28.4 52.3 0.43 22.5 ^a	29.8 91.7 6.10 37.7	21.5 84.3 8.3 ² 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	28.4 52.3 0.43 22.5 ^a 15.0 ^a	29.8 91.7 6.10 37.7 29.0	21.5 84.3 8.34 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	28.4 52.3 0.43 22.5 ^a 15.0 ^a	29.8 91.7 6.10 37.7 29.0	21.5 84.3 8.3 ² 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8	29.8 91.7 6.10 37.7 29.0 17.1 119.2	21.5 84.3 8.3 ² 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8	29.8 91.7 6.10 37.7 29.0 17.1 119.2	21.8 84.3 8.34 35.2 25.3 3.2 137.9 34.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	28.4 52.3 0.43 22.5a 15.0a 14.5 80.8 15.2a	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3	21.8 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	28.4 52.3 0.43 22.5a 15.0a 14.5 80.8 15.2a	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3	21.5 84.3 8.34 35.2 25.3 3.2 137.5 34.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 802	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4 9,211	21.5 84.5 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 802	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4 9,211	21.5 84.5 8.34 35.2 25.1 3.2 137.9 34.1 9.9 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	28.4 52.3 0.43 22.5ª 15.0ª 14.5 80.8 15.2ª 100 6.3 802	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4 9,211 5.1 6.8 16.4	21.5 84.5 8.3 35.2 25.1 3.2 137.9 34.1 9.6 9.0 37.9 14.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 802	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4 9,211 5.1 6.8 16.4	21.5 84.5 8.34 35.2 25.1 32.1 34.1 99 69.0 9,037 9.8 14.5 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	28.4 52.3 0.43 22.5ª 15.0ª 14.5 80.8 15.2ª 100 6.3 802	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4 9,211 5.1 6.8 16.4	21.5 84.5 8.34 35.2 25.1 32.1 34.1 99 69.0 9,037 9.8 14.5 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 802	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4 9,211 5.1 6.8 16.4	21.5 84.5 8.34 35.2 25.1 32.1 34.1 99 69.0 9,037 17.6 15.5 15.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 802 	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4 9,211 5.1 6.8 16.4	21.5 84.5 8.34 35.2 25.1 32.1 34.1 99 69.0 9,037 17.6 15.5 15.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	28.4 52.3 0.43 22.5 ^a 15.0 ^a 14.5 80.8 15.2 ^a 100 6.3 802 	29.8 91.7 6.10 37.7 29.0 17.1 119.2 28.3 99 80.4 9,211 5.1 6.8 16.4	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8

Mayotte

	Upper m	ıiddle i	ncome
			Upper middle-
	Countr	y data	income
	2005	2010	2010
Economic and social context			
Population (millions)	0.17	0.20	2,45
Urban population (% of total)			. 5
GNI per capita, World Bank Atlas method (\$)			- 00
GDP growth, 2000-05 and 2005-10 (avg. annual %)			6.
Adult literacy rate (% ages 15 and older)			. 9.
Gross primary, secondary, tertiary school enrollment (%)			. 7.
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d)		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.
Telecommunications investment (% of revenue)			
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)			21
Fixed-telephone subscriptions (per 100 people)			0.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)			84.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)			84.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)			84. 8.3 35.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)			84. 8.3 35.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage			84. 8.3 35. 25.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)			84. 8.3 35. 25.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)			84. 8.3 35. 25. 3.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)			84. 8.3 35. 25. 3.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality			84. 8.3 35. 25. 3. 137. 34.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)			84. 8.3 35. 25. 3. 137. 34.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)			84. 8.3 35. 25. 3. 137. 34.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)			84. 8.3 35. 25. 3. 137. 34.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability			84. 8.3 35. 25. 3. 137. 34. 9 69. 9,03
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)			84. 8.3 35. 25. 3. 137. 34. 9 69. 9,03
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability			84. 8.3 35. 25. 3. 137. 34. 9 69. 9,03
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)			84. 8.3 35. 25. 3. 137. 34. 9. 69. 9,03
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Wasge Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			84. 8.3 35. 25. 3. 137. 34. 9. 69. 9,03
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			84. 8.3 35. 25. 3. 137. 34. 9. 69. 9,03 14. 17.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)			84. 8.3 35. 25. 3. 137. 34. 9. 69. 9,03 14. 17.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)			84. 8.3 35. 25. 3. 137. 34. 9. 69. 9,03 14. 17.
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Wasge Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			84. 8.3 35. 25. 3. 137. 34. 9. 69. 9,03



Latin America & Caribbean L	Jpper m	iddle i	ncome
			Upper middle-
	Country	y data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)	106	113	2.452
Urban population (% of total)	76	78	57
GNI per capita, World Bank Atlas method (\$)	7,820	8,930	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.9	1.1	6.3
Adult literacy rate (% ages 15 and older)	92	93	93
Gross primary, secondary, tertiary school enrollment (%)	77	80	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	49	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	3.0	2.4
Telecommunications investment (% of revenue)	15.9	18.5	
Sector performance Access	10.2	17.5	21.5
Access Fixed-telephone subscriptions (per 100 people)	18.3	17.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	44.3	80.6	84.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	44.3 1.81	80.6 9.98	84.3 8.34
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	44.3 1.81 18.6	80.6 9.98 29.8	84.3 8.34 35.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	44.3 1.81	80.6 9.98	84.3 8.34 35.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	44.3 1.81 18.6 8.9	80.6 9.98 29.8 22.2	84.3 8.34 35.2 25.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	44.3 1.81 18.6 8.9	80.6 9.98 29.8 22.2	84.3 8.34 35.2 25.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	44.3 1.81 18.6 8.9	80.6 9.98 29.8 22.2 91.7	84.3 8.34 35.2 25.1 3.2 137.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	44.3 1.81 18.6 8.9	80.6 9.98 29.8 22.2	84.3 8.34 35.2 25.1 3.2 137.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	44.3 1.81 18.6 8.9 45.8 17.2a	80.6 9.98 29.8 22.2 91.7 31.1	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Uit'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	44.3 1.81 18.6 8.9	80.6 9.98 29.8 22.2 91.7	84.3 8.34 35.2 25.1 3.2 137.9 34.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	44.3 1.81 18.6 8.9 45.8 17.2a	80.6 9.98 29.8 22.2 91.7 31.1	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Uit'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5	80.6 9.98 29.8 22.2 91.7 31.1	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5	80.6 9.98 29.8 22.2 91.7 31.1	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5 736 ^a	80.6 9.98 29.8 22.2 91.7 31.1 100 97.4 7,316	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5 736 ^a	80.6 9.98 29.8 22.2 91.7 31.1 100 97.4 7,316	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5 736 ^a	80.6 9.98 29.8 22.2 91.7 31.1 100 97.4 7,316 18.9 17.4	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5 736 ^a	80.6 9.98 29.8 22.2 91.7 31.1 100 97.4 7,316 18.9 17.4	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5 736 ^a 	80.6 9.98 29.8 22.2 91.7 31.1 100 97.4 7,316 18.9 17.4	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5 736 ^a 	80.6 9.98 29.8 22.2 91.7 31.1 100 97.4 7,316 18.9 17.4 17.3	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5 736 ^a 	80.6 9.98 29.8 22.2 91.7 31.1 100 97.4 7,316 18.9 17.4 17.3 20.2 19.2	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	44.3 1.81 18.6 8.9 45.8 17.2 ^a 100 49.5 736 ^a 	80.6 9.98 29.8 22.2 91.7 31.1 100 97.4 7,316 18.9 17.4 17.3 20.2 19.2	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8

Micronesia, Fed. Sts.

	ower m	iiddle i	ncome
			Lower middle-
	Countr	y data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.11	0.11	2,519
Urban population (% of total)	22	23	39
GNI per capita, World Bank Atlas method (\$)	2,510	2,740	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.3	-0.5	6.4
Adult literacy rate (% ages 15 and older)			71
Gross primary, secondary, tertiary school enrollment (%)	75		
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	С	М	
Internet service		М	
Foreign ownership (percentage allowed)		100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8		3.4
Telecommunications investment (% of revenue)	13.2		
Sector performance			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	11.4	7.6	6.0
Access	11.4 12.9	7.6 24.8	
Access Fixed-telephone subscriptions (per 100 people)			71.7
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	12.9	24.8	71.7 1.04
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.9 0.04	24.8 0.90	71.7 1.04 11.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.9 0.04 	24.8 0.90	71.7 1.04 11.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.9 0.04 	24.8 0.90	71.7 1.04 11.3 7.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.9 0.04 	24.8 0.90 	71.7 1.04 11.3 7.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.9 0.04 	24.8 0.90 	71.7 1.04 11.3 7.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.9 0.04 44.2	24.8 0.90 	71.7 1.04 11.3 7.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.9 0.04 44.2	24.8 0.90 	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.9 0.04 44.2 11.9	24.8 0.90 	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Usage Unit'. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.9 0.04 44.2 11.9	24.8 0.90 20.0	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	12.9 0.04 44.2 11.9	24.8 0.90 20.0	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.9 0.04 44.2 11.9	24.8 0.90 20.0	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.9 0.04 44.2 11.9 2.0 462	24.8 0.90 20.0	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.9 0.04 44.2 11.9 2.0 462	24.8 0.90 20.0 1,801	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	12.9 0.04 44.2 11.9 2.0 462	24.8 0.90 20.0 1,801 9.4 9.1	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.9 0.04 44.2 11.9 2.0 462	24.8 0.90 20.0 1,801 9.4 9.1	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	12.9 0.04 44.2 11.9 2.0 462	24.8 0.90 20.0 1,801 9.4 9.1	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.9 0.04 44.2 11.9 2.0 462	24.8 0.90 20.0 1,801 9.4 9.1 40.0	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.9 0.04 44.2 11.9 2.0 462	24.8 0.90 20.0 1,801 9.4 9.1 40.0	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.9 0.04 44.2 11.9 2.0 462	24.8 0.90 20.0 1,801 9.4 9.1 40.0	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9

Moldova

Europe & Central Asia	Lower m	iddle i	ncome
	Countr	v data	Lower middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	4	4	2,519
Urban population (% of total)	43	41	39
GNI per capita, World Bank Atlas method (\$)	890	1,810	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.1	2.9	6.4
Adult literacy rate (% ages 15 and older)	97	98	71
Gross primary, secondary, tertiary school enrollment (%)	71	69	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed	l) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.7	8.5	3.4
Telecommunications investment (% of revenue)	31.4	28.1	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.7	32.5	6.0
Mobile-cellular telephone subscriptions (per 100 people)	28.9	88.6	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.28	7.53	1.04
Households with a computer (%)	7.0	36.9	a 11.3
Households with Internet access at home (%)	2.3a	34.7	a 7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	22.2	17.7	
Domestic mobile traffic (minutes/subscription/month)	36.4	93.1	
Individuals using the Internet (%)	14.6	40.0	a 13.5
Quality	07		0.0
Population covered by a mobile-cellular network (%)	97		86
Fixed (wired)-broadband subscriptions (% of total Internet)	17.0	100.0	
International Internet bandwidth (bit/s per Internet user)	744	65,773	4,896
Affordability		1.9	5.3
Fixed-telephone sub-basket (\$ a month)		12.6	
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)		6.5	
Trade		0.5	32.4
ICT goods exports (% of total goods exports)	0.3	0.7	8.3
ICT goods imports (% of total goods imports)	3.6	3.9	
ICT service exports (% of total service exports)	15.8	22.7	
Applications	10.0	22.1	21.0
E-government Web measure index (0-1, 1=highest presence)	0.45	0.52	0.31
Secure Internet servers (per million people)	4.2	19.8	
ocoure internet servers (per million people)	7.2	13.0	5.4

Monaco

	Count	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.04	0.04	1,127
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)	123,100	183,150	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.7	7.7	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)		105	94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	М	M	
Internet service	С	M	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access			44.4
Fixed-telephone subscriptions (per 100 people)			44.4
Mobile-cellular telephone subscriptions (per 100 people)			110.8 26.54
Fixed (wired)-broadband subscriptions (per 100 people)			
Households with a computer (%)			77.1 74.0
Households with Internet access at home (%)			74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	••		73.6
Quality			13.0
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			96.0
International Internet bandwidth (bit/s per Internet user)			60,241
Affordability			00,241
Fixed-telephone sub-basket (\$ a month)		21.2	21.2
Mobile-cellular sub-basket (\$ a month)		52.6	22.3
Fixed-broadband sub-basket (\$ a month)		45.9	26.3
Trade			
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.36	0.68
Secure Internet servers (per million people)	680.7	2,541.9	1,068.0

Mongolia

East Asia & Pacific	Lower middle income

Economic and social context Population (millions)	Countr		income	
Population (millions)		y data	ta group	
Population (millions)	2005	2010	2010	
	3	3	2,519	
Urban population (% of total)	57	58	39	
GNI per capita, World Bank Atlas method (\$)	890	1,870	,	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.7	6.4		
Adult literacy rate (% ages 15 and older)	98	97		
Gross primary, secondary, tertiary school enrollment (%)	78	83		
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	C	P		
Mobile telephone service	Р	P		
Internet service	C	C		
Foreign ownership (percentage allowed)	40-100	40-100		
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	А		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	3.3	5.6	3.4	
Telecommunications investment (% of revenue)	15.1	19.1		
Sector performance				
Access				
Fixed-telephone subscriptions (per 100 people)	6.1	7.0		
Mobile-cellular telephone subscriptions (per 100 people)	21.9	91.1	71.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.07	2.60		
Households with a computer (%)	6.3a	22.3		
Households with Internet access at home (%)	2.3a	7.7	7.5	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)		4.5		
Domestic mobile traffic (minutes/subscription/month)	0.3	121.6		
Individuals using the Internet (%)		12.9	13.5	
Quality				
Population covered by a mobile-cellular network (%)	29	85		
Fixed (wired)-broadband subscriptions (% of total Internet)	20.0	100.0		
International Internet bandwidth (bit/s per Internet user) Affordability		48,348	4,896	
Fixed-telephone sub-basket (\$ a month)		0.7	5.3	
Mobile-cellular sub-basket (\$ a month)		3.6		
Fixed-broadband sub-basket (\$ a month)		8.5		
Trade		0.0	32.4	
ICT goods exports (% of total goods exports)	0.0		8.3	
ICT goods imports (% of total goods imports)	5.0		10.1	
ICT service exports (% of total service exports)	3.7	2.0		
Applications	3.1	2.0	21.8	
E-government Web measure index (0-1, 1=highest presence)	0.47	0.59	0.31	
Secure Internet servers (per million people)	3.1	13.6		
oconic internet servers (her million heahie)	3.1	13.0	3.4	

Montenegro

Europe & Central Asia	Upper m	iddle i	ncome
	Country	v data	Upper middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.63	0.63	2,452
Urban population (% of total)	61	60	,
GNI per capita, World Bank Atlas method (\$)	3.580	6,740	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.8	4.3	
Adult literacy rate (% ages 15 and older)			93
Gross primary, secondary, tertiary school enrollment (%)	74	86	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)		100	
Reg. treatment of VoIP (banned, closed, no framework, allowed	l) No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.4
Telecommunications investment (% of revenue)			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	27.3	26.8	a 21.5
Mobile-cellular telephone subscriptions (per 100 people)	86.7	185.3	
Fixed (wired)-broadband subscriptions (per 100 people)	1.22	8.30	
Households with a computer (%)	18.6	32.0	
Households with Internet access at home (%)	13.0a	21.2	
Usage	15.0	21.2	25
Int'l. voice traffic, total (minutes/subscription/month)			3.2
Domestic mobile traffic (minutes/subscription/month)	110.7		137.9
Individuals using the Internet (%)	28.8a	52.0	a 34.1
Quality			
Population covered by a mobile-cellular network (%)	99	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	9.5		69.0
International Internet bandwidth (bit/s per Internet user) Affordability	1,329	21,317	9,03
Fixed-telephone sub-basket (\$ a month)		7.8	9.8
Mobile-cellular sub-basket (\$ a month)		16.5	
Fixed-broadband sub-basket (\$ a month)		18.4	
Trade		20.1	
ICT goods exports (% of total goods exports)		0.3	15.5
ICT goods imports (% of total goods imports)		3.6	
ICT service exports (% of total service exports)			-
Applications			0.0
E-government Web measure index (0-1, 1=highest presence)	0.43	0.51	0.46
Secure Internet servers (per million people)	0.45	25.3	
(F1 koobio)	••		



Middle East & North Africa	Lower m	niddle i	ncome
			Lower middle- income
	Countr 2005	y data 2010	group 2010
	2005	2010	2010
Economic and social context Population (millions)	30	32	2,519
Urban population (% of total)	55	57	,
GNI per capita, <i>World Bank Atla</i> s method (\$)	1,960	2,850	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	5.0	4.8	,
Adult literacy rate (% ages 15 and older)	52	56	
Gross primary, secondary, tertiary school enrollment (%)	59		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	;
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed) C	C	
Sector efficiency and capacity	4.0	4.7	
Telecommunications revenue (% of GDP)	4.6 17.0	4.7	
Telecommunications investment (% of revenue)	17.0	16.6	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	4.4	11.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	40.8	100.1	
Fixed (wired)-broadband subscriptions (per 100 people)	0.82	1.56	
Households with a computer (%)	13.2	34.2	
Households with Internet access at home (%)	4.3	25.5	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	12.7	9.6	6.1
Domestic mobile traffic (minutes/subscription/month)	7.8	36.1	
Individuals using the Internet (%)	15.1	49.0	13.5
Quality			
Population covered by a mobile-cellular network (%)	98	98	86
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0	99.6	
International Internet bandwidth (bit/s per Internet user)	1,549	4,790	4,896
Affordability			_
Fixed-telephone sub-basket (\$ a month)		21.3	
Mobile-cellular sub-basket (\$ a month)		33.1	
Fixed-broadband sub-basket (\$ a month) Trade		11.7	32.4
	6.0	3.8	8.3
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	7.0	5.8 5.9	
ICT service exports (% of total service exports)		8.0	
Applications		0.0	21.5
E-government Web measure index (0-1, 1=highest presence)	0.29	0.25	0.31
Secure Internet servers (per million people)	0.23	4.3	
(F Poopio)	٠	0	٠.

Mozambique

Sub-Saharan Africa Low income

	Country	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	21	23	796
Urban population (% of total)	35	38	28
GNI per capita, World Bank Atlas method (\$)	290	440	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.2	7.2	
Adult literacy rate (% ages 15 and older)	48	55	61
Gross primary, secondary, tertiary school enrollment (%)	52		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	!
Mobile telephone service	С	C	
Internet service	С	C	:
Foreign ownership (percentage allowed)	50-100	50-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	3.9	
Telecommunications investment (% of revenue)	24.6	8.2	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.3	0.4	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.2	30.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.06	
Households with a computer (%)	0.6a	7.5	
Households with Internet access at home (%)	0.8a	1.1	
Usage	0.0	1.1	1.0
Int'l. voice traffic, total (minutes/subscription/month)		2.3	
Domestic mobile traffic (minutes/subscription/month)	25.6	14.8	
Individuals using the Internet (%)	0.9a	4.2	
Quality	0.9-	4.2	5.1
Population covered by a mobile-cellular network (%)		32	
Fixed (wired)-broadband subscriptions (% of total Internet)		92.5	
International Internet bandwidth (bit/s per Internet user)	107a	1,312	
Affordability		-,	-,
Fixed-telephone sub-basket (\$ a month)		12.4	8.8
Mobile-cellular sub-basket (\$ a month)		17.0	
Fixed-broadband sub-basket (\$ a month)		21.9	
Trade		21.0	0
ICT goods exports (% of total goods exports)	0.1	0.1	
ICT goods imports (% of total goods imports)	4.5	1.8	
ICT service exports (% of total service exports)	3.6	7.0	
Applications	0.0	1.0	
E-government Web measure index (0-1, 1=highest presence)	0.26	0.37	0.20
Secure Internet servers (per million people)	0.20	1.1	
Cooks	0.1	1.1	0.0



East Asia & Pacific

Low income

Low-

	Countr	ny data	Low- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	46	48	796
Urban population (% of total)	31	34	
GNI per capita, World Bank Atlas method (\$)			
GDP growth, 2000–05 and 2005–10 (avg. annual %)	13.0	11.2	
Adult literacy rate (% ages 15 and older)	90	92	
Gross primary, secondary, tertiary school enrollment (%)	57		
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M		
Mobile telephone service	M	M	
Internet service	Р	M	
Foreign ownership (percentage allowed)	0	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)	8.6		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.1	1.3	a 1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.3	1.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.03	
Households with a computer (%)	1.0	2.8	a 2.8
Households with Internet access at home (%)	0.6	2.6	i ^a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	15.2		
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%) Quality	0.1	0.2	a 5.7
Population covered by a mobile-cellular network (%)	10		
Fixed (wired)-broadband subscriptions (% of total Internet)	3.8	47.0	
International Internet bandwidth (bit/s per Internet user)	3,111	9,310	a 1,737
Affordability		0.0	
Fixed-telephone sub-basket (\$ a month)		0.9	
Mobile-cellular sub-basket (\$ a month)		12.8	
Fixed-broadband sub-basket (\$ a month) Trade		28.5	54.6
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications	•		
E-government Web measure index (0-1, 1=highest presence)	0.29	0.10	0.20
Secure Internet servers (per million people)	0.0	0.10	
Course de la constante (par militari padpio)	0.0	0.1	0.0

Namibia

	Ipper middle incom		
			Upper middle-
	Country	Country data inc	
	2005	2010	group 2010
Economic and social context			
Population (millions)	2	2	2,452
Urban population (% of total)	35	38	57
GNI per capita, World Bank Atlas method (\$)	3,300	4,510	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.4	3.8	6.3
Adult literacy rate (% ages 15 and older)	85	89	93
Gross primary, secondary, tertiary school enrollment (%)	70		73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	Р	
Mobile telephone service	M	Р	
Internet service	С	С	
Foreign ownership (percentage allowed)	49	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1		2.4
Telecommunications investment (% of revenue)	7.5		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	7.5 6.7	6.7	a 21.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	7.5 6.7 21.6	6.7 67.2	21.5 84.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	6.7 21.6 0.01	6.7 67.2 0.42	^a 21.5 84.3 8.34
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	6.7 21.6 0.01 6.9 ^a	6.7 67.2 0.42 15.4	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	6.7 21.6 0.01	6.7 67.2 0.42	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	6.7 21.6 0.01 6.9 ^a	6.7 67.2 0.42 15.4	21.5 84.3 8.34 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	6.7 21.6 0.01 6.9 ^a 3.0 ^a	6.7 67.2 0.42 15.4 3.9	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	6.7 21.6 0.01 6.9 ^a 3.0 ^a	6.7 67.2 0.42 15.4 3.9	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	6.7 21.6 0.01 6.9 ^a 3.0 ^a	6.7 67.2 0.42 15.4 3.9	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.5 6.7 21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a	6.7 67.2 0.42 15.4 3.9	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	7.5 6.7 21.6 0.01 6.9a 3.0a 4.0a 88 0.2	6.7 67.2 0.42 15.4 3.9 6.5	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.5 6.7 21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a	6.7 67.2 0.42 15.4 3.9	21.5 84.3 8.3 ² 35.2 25.1 3.2 137.9 69.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	7.5 6.7 21.6 0.01 6.9a 3.0a 4.0a 88 0.2	6.7 67.2 0.42 15.4 3.9 6.5	21.5 84.3 8.34 35.2 35.2 137.9 34.1 99 69.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	7.5 6.7 21.6 0.01 6.9a 3.0a 4.0a 88 0.2 432	6.7 67.2 0.42 15.4 3.9 6.5	21.8 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	7.5 6.7 21.6 0.01 6.9a 3.0a 4.0a 88 0.2 432	6.7 67.2 0.42 15.4 3.9 6.5 4,413	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	7.5 6.7 21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 432	6.7 67.2 0.42 15.4 3.9 6.5 4,413	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.5 6.7 21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 432	6.7 67.2 0.42 15.4 3.9 6.5 4,413	21.5 84.3 8.34 35.2 25.1 3.2 137.9 69.6 9,037 9.8 14.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	7.5 6.7 21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 432	6.7 67.2 0.42 15.4 3.9 6.5 4,413 15.1 17.0 94.9	21.5 84.5 8.34 35.2 25.1 3.2 137.9 69.6 9,037 9.8 14.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	7.5 6.7 21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 432	6.7 67.2 0.42 15.4 3.9 6.5 4,413 15.1 17.0 94.9	3.2 21.5 84.3 8.34 35.2 31.37.9 9.8 9.037 9.8 14.5 15.6 15.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	7.5 6.7 21.6 0.01 6.9a 3.0a 4.0a 88 0.2 432 0.6 4.8	6.7 67.2 0.42 15.4 3.9 6.5 4,413 15.1 17.0 94.9	32.5.8 84.3 8.34 35.2 25.1 37.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	7.5 6.7 21.6 0.01 6.9a 3.0a 4.0a 88 0.2 432 0.6 4.8	6.7 67.2 0.42 15.4 3.9 6.5 4,413 15.1 17.0 94.9	21.5 84.3 8.34.2 35.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8



Low-

South Asia Low income

	Country	y data	income group
	2005	2010	2010
Economic and social context			
Population (millions)	27	30	796
Urban population (% of total)	16	18	28
GNI per capita, World Bank Atlas method (\$)	290	490	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.3	4.5	5.7
Adult literacy rate (% ages 15 and older)	49	59	61
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	С	
Mobile telephone service	P	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	80	80	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.9		
Telecommunications investment (% of revenue)	26.7		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.8	2.8	
Mobile-cellular telephone subscriptions (per 100 people)	0.8	30.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.20	
Households with a computer (%)	1.9	4.2	
Households with Internet access at home (%) Usage	0.7a	1.2	a 1.6
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	0.8	7.9	5.7
Quality			
Population covered by a mobile-cellular network (%)	10	35	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	45.5	
International Internet bandwidth (bit/s per Internet user) Affordability	210	1,684	
Fixed-telephone sub-basket (\$ a month)		3.1	8.8
Mobile-cellular sub-basket (\$ a month)		2.7	
Fixed-broadband sub-basket (\$ a month)		23.3	
Trade	••	23.3	54.0
ICT goods exports (% of total goods exports)		0.4	
	4.5	7.2	
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)	••		
Applications	0.27	0.00	0.00
E-government Web measure index (0-1, 1=highest presence)	0.27	0.29	
Secure Internet servers (per million people)	0.4	1.9	0.8

Netherlands

	Country data		High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	16	17	1,127
Urban population (% of total)	80	83	78
GNI per capita, World Bank Atlas method (\$)	39,880	49,030	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.2	1.2	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	97	99	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	Р	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)		2.3	2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access	40.0	40.5	
Fixed-telephone subscriptions (per 100 people)	46.6	43.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	97.1	115.4	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	25.14 78.0	38.10	26.54 77.1
Households with a computer (%) Households with Internet access at home (%)	78.3	92.0 90.9	74.0
Usage	10.3	30.3	74.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	38.8	97.9	
Individuals using the Internet (%)	81.0	90.7	73.6
Quality	01.0	00	
Population covered by a mobile-cellular network (%)	100	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	73.2	100.0	96.0
International Internet bandwidth (bit/s per Internet user)		154,333	60,241
Affordability			
Fixed-telephone sub-basket (\$ a month)		22.4	21.2
Mobile-cellular sub-basket (\$ a month)		33.2	22.3
Fixed-broadband sub-basket (\$ a month)		32.9	26.3
Trade			
ICT goods exports (% of total goods exports)	16.8	12.5	10.4
ICT goods imports (% of total goods imports)	18.7	14.5	12.5
ICT service exports (% of total service exports)	9.3	11.7	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.86	0.96	0.68
Secure Internet servers (per million people)	327.1	2,756.6	1,068.0

New Caledonia

	Country	Country data i	
•	2005	2010	group 2010
Economic and social context			
Population (millions)	0.23	0.25	1,127
Urban population (% of total)	64	66	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6
Adult literacy rate (% ages 15 and older)		96	98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access	23.9	28.8	44.4
Fixed-telephone subscriptions (per 100 people)	58.1	88.0	110.8
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	4.15	15.23	26.54
Households with a computer (%)	18.2	24.3	
Households with Internet access at home (%)	8.0a	16.7	
Usage	6.0	10.7	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	60.1		
Individuals using the Internet (%)	32.4	34.0	73.6
Quality	32.4	34.0	13.0
Population covered by a mobile-cellular network (%)	75a	89	100
Fixed (wired)-broadband subscriptions (% of total Internet)	51.2	100.0	96.0
	1,765	15,491	60,241
International Internet bandwidth (bit/s per Internet user) Affordability	1,705	15,491	00,241
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	10.4
ICT goods imports (% of total goods imports)	4.6	3.3	12.5
ICT service exports (% of total service exports)	0.3	0.6	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	68.3	139.6	1,068.0

New Zealand

	Country	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	4	4	1,127
Urban population (% of total)	86	87	78
GNI per capita, World Bank Atlas method (\$)	24,840	28,770	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.1	0.5	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	106	108	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	С	С	
Internet service	C	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	3.2	2.6
Telecommunications investment (% of revenue)	6.1	22.2	16.3
Sector performance			
Access	41.8	42.8	44.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	85.4	114.9	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	7.76	24.93	26.54
Households with a computer (%)	67.8a	83.9ª	
Households with Internet access at home (%)	62.1a	79.0ª	
Usage	02.1	15.0	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	29.5	75.2	
Individuals using the Internet (%)	62.7a	83.0	73.6
Quality			
Population covered by a mobile-cellular network (%)	98	97	100
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	69.3	96.0
International Internet bandwidth (bit/s per Internet user)	1,764a	19,307ª	60,241
Affordability Fixed-telephone sub-basket (\$ a month)		34.1	21.2
Mobile-cellular sub-basket (\$ a month)		47.2	22.3
Fixed-broadband sub-basket (\$ a month)		28.9	26.3
Trade			
ICT goods exports (% of total goods exports)	1.7	1.2	10.4
ICT goods imports (% of total goods imports)	9.6	8.3	12.5
ICT service exports (% of total service exports)	5.4	4.6	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.74	0.78	0.68
Secure Internet servers (per million people)	489.9	1,597.4	1,068.0

Nicaragua

Latin America & Caribbean	Lower middle income
Latin America & Cambbean	Lower illiquie lilcolle

				Low midd inco	
	Countr	y data	income group		
	2005	2010	2010		
Economic and social context					
Population (millions)	5	6	2,519		
Urban population (% of total)	56	57	39		
GNI per capita, World Bank Atlas method (\$)	890	1,110	1,623		
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	3.1	6.4		
Adult literacy rate (% ages 15 and older)	78		71		
Gross primary, secondary, tertiary school enrollment (%)	70				
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Private	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service	С	С			
Internet service	С	С			
Foreign ownership (percentage allowed)	100	100			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	3.7		3.4		
Telecommunications investment (% of revenue)	24.0		•		
Sector performance					
Access	4.1	4.5	a		
Fixed-telephone subscriptions (per 100 people)	4.1 20.6	4.5 65.1			
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.19	0.82			
Households with a computer (%)	3.8	8.2	- 1.04		
,	3.0		a 113		
Households with Internet access at home (%)	0.1				
Households with Internet access at home (%)	0.1	2.6			
Usage		2.6	a 7.5		
Usage Int'l. voice traffic, total (minutes/subscription/month)			a 7.5		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)		2.6	6.1		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)		2.6	6.1		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality		2.6	6.1 . 13.5		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	 2.6	2.6 10.0	6.1 6.1 13.5		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	 2.6 70	2.6 10.0	6.1 . 13.5 86 57.1		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	 2.6 70 45.0	2.6 10.0 100	6.1 . 13.5 86 57.1		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	 2.6 70 45.0	2.6 10.0 100	6.1 6.1 13.5 86 57.1 4,896		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	 2.6 70 45.0 43 ^a	2.6 10.0 100 8,638	6.1 6.1 13.5 86 57.1 4,896		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	 2.6 70 45.0 43 ^a	2.6 10.0 100 8,638	6.1 6.1 13.5 86 57.1 4,896 5.3		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	2.6 70 45.0 43 ^a	2.6 10.0 100 8,638 4.5 13.2	6.1 6.1 13.5 86 57.1 4,896 5.3		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	2.6 70 45.0 43 ^a	2.6 10.0 100 8,638 4.5 13.2	6.1 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	 2.6 70 45.0 43 ^a 	2.6 10.0 100 8,638 4.5 13.2 34.5	6.1 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	 2.6 70 45.0 43 ^a 	2.6 10.0 100 8,638 4.5 13.2 34.5	6.1 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	2.6 70 45.0 43 ^a 0.1 6.1	2.6 10.0 100 8,638 4.5 13.2 34.5 0.1 4.8	6.1 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4		
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	2.6 70 45.0 43 ^a 0.1 6.1	2.6 10.0 100 8,638 4.5 13.2 34.5 0.1 4.8	6.1 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9		



Sub-Saharan Africa Low income

	Country	y data	Low- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	13	16	796
Urban population (% of total)	16	17	28
GNI per capita, World Bank Atlas method (\$)	260	370	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.7	4.8	5.7
Adult literacy rate (% ages 15 and older)	29		61
Gross primary, secondary, tertiary school enrollment (%)	25	34	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	М	М	
Foreign ownership (percentage allowed)	49-51	51	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2		
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.2	0.5	
Mobile-cellular telephone subscriptions (per 100 people)	2.5	24.5	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	
Households with a computer (%)	0.1a	1.2	
Households with Internet access at home (%)	0.0a	0.2	1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%) Quality	0.2	0.8	a 5.7
Population covered by a mobile-cellular network (%)	15		
Fixed (wired)-broadband subscriptions (% of total Internet)	5.9		
International Internet bandwidth (bit/s per Internet user)	1,043	2,330	 1,737
Affordability	1,045	2,330	1,131
Fixed-telephone sub-basket (\$ a month)		11.7	8.8
Mobile-cellular sub-basket (\$ a month)		20.8	13.0
Fixed-broadband sub-basket (\$ a month)		59.6	54.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.3	
ICT goods imports (% of total goods imports)	3.2	1.9	
ICT service exports (% of total service exports)	25.8	12.8	
Applications	_5.0	12.0	
E-government Web measure index (0-1, 1=highest presence)	0.11	0.20	0.20
Secure Internet servers (per million people)	0.11	0.20	
(For amount books)	0.1	0.0	0.0

Nigeria

Sub-Saharan Africa I	ower m	iddle i	ncome
			Lower middle- income
	Countr		group
	2005	2010	2010
Economic and social context			
Population (millions)	140	158	,
Urban population (% of total)	46	50	
GNI per capita, World Bank Atlas method (\$)	630	1,230	
GDP growth, 2000–05 and 2005–10 (avg. annual %) Adult literacy rate (% ages 15 and older)	6.6 55	6.7 61	6.4 71
Gross primary, secondary, tertiary school enrollment (%)	56		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.3	3.4
Telecommunications investment (% of revenue)	0.4	11.1	
Telecommunications investment (% of revenue)			
Telecommunications investment (% of revenue) Sector performance			
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.4	0.7 55.1	6.0 71.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.4 0.9 13.3 0.00	0.7 55.1 0.06	6.0 71.7 a 1.04
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.4 0.9 13.3 0.00 4.0	0.7 55.1 0.06 15.4	6.0 71.7 a 1.04 a 11.3
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.4 0.9 13.3 0.00	0.7 55.1 0.06	6.0 71.7 a 1.04 a 11.3
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.4 0.9 13.3 0.00 4.0 2.0 ^a	0.7 55.1 0.06 15.4 9.0	6.0 71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.9 13.3 0.00 4.0 2.0 ^a 6.2	0.7 55.1 0.06 15.4 9.0	6.0 71.7 1.04 11.3 7.5
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4	0.7 55.1 0.06 15.4 9.0 4.6 60.0	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.9 13.3 0.00 4.0 2.0 ^a 6.2	0.7 55.1 0.06 15.4 9.0	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6	6.0 71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4	6.0 71.7 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6	6.0 71.7 1.04 11.33 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58 	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6 111	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58 30	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6 111	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58 30	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6 111 14.0 13.7	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Relecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58 30	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6 111 14.0 13.7	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Relecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58 30	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6 111 14.0 13.7 53.1	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58 30 	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6 111 14.0 13.7 53.1	6.0 71.7 1.04 11.3 7.5 6.1 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58 30 	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6 111 14.0 13.7 53.1	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Relecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade CT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	0.4 0.9 13.3 0.00 4.0 2.0 ^a 6.2 27.4 3.5 58 30 	0.7 55.1 0.06 15.4 9.0 4.6 60.0 28.4 90 44.6 111 14.0 13.7 53.1	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4

Northern Mariana Islands

	Country	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.07	0.06	1,127
Urban population (% of total)	91	91	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	34.6a	41.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	29.9	41.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)		0.00	77.1
Households with Internet access at home (%)	30.9		74.0
Usage	00.0	••	11.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)			73.6
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			96.0
International Internet bandwidth (bit/s per Internet user)			60,241
Affordability			,
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	77.7	82.1	1,068.0
· · · · · · · · · · · · · · · · · · ·			,

Norway

	Countr	v data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	5	5	1,127
Urban population (% of total)	77	78	78
GNI per capita, World Bank Atlas method (\$)	62,490	87,350	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.1	0.7	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	99	97	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.6	1.3	2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.6	33.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	102.8	115.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	21.44	35.30	26.54
Households with a computer (%)	74.0	90.9	77.1
Households with Internet access at home (%)	64.0	89.8	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	119.3	169.1	
Individuals using the Internet (%)	82.0	93.4	73.6
Quality			400
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)	69.8	99.4	96.0
International Internet bandwidth (bit/s per Internet user)	11,349ª	109,641	60,241
Affordability			
Fixed-telephone sub-basket (\$ a month)		32.7	21.2
Mobile-cellular sub-basket (\$ a month)		20.5	22.3
Fixed-broadband sub-basket (\$ a month)		49.1	26.3
Trade			
ICT goods exports (% of total goods exports)	1.2	1.4	10.4
ICT goods imports (% of total goods imports)	8.8	7.5	12.5
ICT service exports (% of total service exports)	4.3	9.5	8.1
Applications	_		
E-government Web measure index (0-1, 1=highest presence)	0.89	0.86	0.68
Secure Internet servers (per million people)	308.9	1,821.9	1,068.0

Oman

	Country	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	2	3	1,127
Urban population (% of total)	72	72	78
GNI per capita, World Bank Atlas method (\$)	11,190	18,260	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	7.1	0.6
Adult literacy rate (% ages 15 and older)	81	87	98
Gross primary, secondary, tertiary school enrollment (%)	69	75	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	Р	С	
Internet service	M	C	
Foreign ownership (percentage allowed)	70	70-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	3.5	2.6
Telecommunications investment (% of revenue)	102.5	29.5	16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	10.9	10.1	44.4
Mobile-cellular telephone subscriptions (per 100 people)	54.9	165.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	0.54	1.63	26.54
Households with a computer (%)	37.2	45.6	77.1
Households with Internet access at home (%)	15.5a	27.7	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	18.1	20.4	
Domestic mobile traffic (minutes/subscription/month)	99.9	81.6	
Individuals using the Internet (%)	6.7	62.0	73.6
Quality Population covered by a mobile-cellular network (%)	92	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	24.4	61.5	96.0
International Internet bandwidth (bit/s per Internet user)	3,073	6,108	
Affordability			
Fixed-telephone sub-basket (\$ a month)		13.1	21.2
Mobile-cellular sub-basket (\$ a month)		9.1	22.3
Fixed-broadband sub-basket (\$ a month)		31.0	26.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	10.4
ICT goods imports (% of total goods imports)	4.4	3.1	12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.67	0.68
Secure Internet servers (per million people)	4.1	53.4	1,068.0

Pakistan

South Asia L	ower m	iddle i	ncome
	Countr	y data	Lower middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	159	174	2.519
Urban population (% of total)	35	37	39
GNI per capita, World Bank Atlas method (\$)	710	1,050	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.0	4.0	6.4
Adult literacy rate (% ages 15 and older)	50	56	71
Gross primary, secondary, tertiary school enrollment (%)	40	44	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	Р	С	
Internet service	C	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.4	3.4
Telecommunications investment (% of revenue)	1.0	27.3	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.3	2.0	6.0
Mobile-cellular telephone subscriptions (per 100 people)	8.1	57.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.31	1.04
Households with a computer (%)	8.1	13.0	a 11.3
Households with Internet access at home (%)	4.1a	8.0	a 7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	4.0	5.3	6.1
Domestic mobile traffic (minutes/subscription/month)	40.9	60.7	
Individuals using the Internet (%)	6.3	16.8	13.5
Quality			
Population covered by a mobile-cellular network (%)	36	92	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.7	16.4	57.1
International Internet bandwidth (bit/s per Internet user)	72	2,595	4,896
Affordability			
Fixed-telephone sub-basket (\$ a month)		3.3	5.3
Mobile-cellular sub-basket (\$ a month)		2.5	
Fixed-broadband sub-basket (\$ a month)		14.2	32.4
Trade			
		0.0	8.3
ICT goods exports (% of total goods exports)	0.5	0.2	
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	8.7	3.3	10.4
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)			10.4
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications	8.7 9.3	3.3 6.6	10.4 27.9
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	8.7	3.3	10.4 27.9 0.31

Palau

East Asia & Pacific	Jpper m		
	Countr	w data	Upper middle- income
	2005	2010	group 2010
Economic and social context	2005	2010	2010
Population (millions)	0.02	0.02	2.452
Urban population (% of total)	77	83	, -
GNI per capita, <i>World Bank Atla</i> s method (\$)	7,770	6,560	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	0.9	-0.6	,
Adult literacy rate (% ages 15 and older)	0.9	-0.0	
Gross primary, secondary, tertiary school enrollment (%)			73
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Sector efficiency and capacity Telecommunications revenue (% of GDP)			2.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.4
Telecommunications revenue (% of GDP)			21.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access			21.!
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	40.1	34.1	21.84
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	40.1	34.1 70.9	21.! 84.3 8.34
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	40.1 30.4 0.50	34.1 70.9 1.17	21.! 84.3 8.34 35.2
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	40.1 30.4 0.50 	34.1 70.9 1.17 	21.! 84.: 8.34 35.: 25.:
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	40.1 30.4 0.50	34.1 70.9 1.17 	21.9 84.3 8.34 35.1 25.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	40.1 30.4 0.50 	34.1 70.9 1.17 	21.9 84.3 8.34 35.1 25.1 3.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	40.1 30.4 0.50 	34.1 70.9 1.17 	21.9 84.3 8.34 35.1 25.1 3.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	40.1 30.4 0.50 50.7 27.0	34.1 70.9 1.17 30.6	21.! 84.3 8.34 35.2 25 3.1 34.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	40.1 30.4 0.50 50.7 27.0	34.1 70.9 1.17 30.6 	21.! 84.3 8.34 35.2 25 3.137.9
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	40.1 30.4 0.50 50.7 27.0	34.1 70.9 1.17 30.6 95 22.0	21 84 8.3. 35 25. 3 137 34. 9.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	40.1 30.4 0.50 50.7 27.0	34.1 70.9 1.17 30.6 	21 84 8.3. 35 25. 3 137 34. 9.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	40.1 30.4 0.50 50.7 27.0 30 7.6 1,123	34.1 70.9 1.17 30.6 95 22.0	21.9 84.3 8.3 35.2 25.3 34.3 99 69.0
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	40.1 30.4 0.50 50.7 27.0 30 7.6 1,123	34.1 70.9 1.17 30.6 	21.3 84.3 8.3 35.2 25.3 137.3 34.3 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	40.1 30.4 0.50 50.7 27.0 30 7.6 1,123	34.1 70.9 1.17 30.6 95 22.0	21.3 84.3 8.3 35.2 25.3 3.2 137.9 34.3 9.0 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	40.1 30.4 0.50 50.7 27.0 30 7.6 1,123	34.1 70.9 1.17 30.6 	21.3 84.3 8.3 35.2 25.3 3.2 137.9 34.3 9.0 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Hixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	40.1 30.4 0.50 50.7 27.0 30 7.6 1,123	34.1 70.9 1.17 30.6 95 22.0	21.4 84.3 8.3 35.2 25.3 3.2 137.9 69.0 9,03
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Hixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	40.1 30.4 0.50 50.7 27.0 30 7.6 1,123	34.1 70.9 1.17 30.6 	21.3 84.3 8.3 35.2 25.3 137.9 69.0 9,03 9.1 14.9
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Hixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	40.1 30.4 0.50 50.7 27.0 30 7.6 1,123	34.1 70.9 1.17 30.6 	21.8 84.3 8.3 35.2 25.3 137.9 69.0 9,03 9.8 14.9 15.9
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	40.1 30.4 0.50 50.7 27.0 30 7.6 1,123	34.1 70.9 1.17 30.6 95 22.0	21.8 84.3 8.34 35.2 25.3 3.2 137.9 34.3
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	40.1 30.4 0.50 50.7 27.0 30 7.6 1,123	34.1 70.9 1.17 30.6 95 22.0	21.1 84.3 8.3 35.2 25. 3.2 137.9 9,03 9,03 14.5 15.6

Panama

Latin America & Caribbean	Upper m	iddle i	ncome
			Upper middle- income
		Country data	
	2005	2010	2010
Economic and social context			0.450
Population (millions)	3	4	-,
Urban population (% of total)	71	75	
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–10 (avg. annual %)	4,640 4.4	6,970 7.9	
Adult literacy rate (% ages 15 and older)	92	94	
Gross primary, secondary, tertiary school enrollment (%)	79	78	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	;
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р	P	•
Internet service	С		
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	No	1
Sector efficiency and capacity			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	3.7	3.3	2.4
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	14.5	15.7	21.5
Mobile-cellular telephone subscriptions (per 100 people)	54.0	184.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.54	7.84	
Households with a computer (%)	14.6a	19.8	
Households with Internet access at home (%) Usage	8.1	11.8	^a 25.1
Int'l. voice traffic, total (minutes/subscription/month)		5.4	3.2
Domestic mobile traffic (minutes/subscription/month)	61.3	49.1	137.9
Individuals using the Internet (%)	11.5	42.8	34.1
Quality			
Population covered by a mobile-cellular network (%)	75	91	99
Fixed (wired)-broadband subscriptions (% of total Internet)	21.3	96.7	69.0
International Internet bandwidth (bit/s per Internet user)	2,490a	21,278	9,037
Affordability			
Fixed-telephone sub-basket (\$ a month)		12.0	
Mobile-cellular sub-basket (\$ a month)		8.5	
Fixed-broadband sub-basket (\$ a month)		16.6	17.6
Trade			
ICT goods exports (% of total goods exports)	0.1	9.6	
ICT goods imports (% of total goods imports)	9.1	9.6	
ICT service exports (% of total service exports)	4.3	4.8	5.8
Applications	0.47		
E-government Web measure index (0-1, 1=highest presence)	0.47	0.46	
Secure Internet servers (per million people)	56.2	143.1	20.1

Papua New Guinea

East Asia & Pacific L	ower m	iluule i	licome
			Lower middle-
	Country	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	6	7	2,519
Urban population (% of total)	13	13	39
GNI per capita, World Bank Atlas method (\$)	680	1,300	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.6	6.1	6.4
Adult literacy rate (% ages 15 and older)	57	60	71
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	М	
Internet service	Р	Р	
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)		Α	
Telecommunications revenue (% of GDP)			5.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	1.0 1.2 0.00°	1.8 27.8 0.09	6.0 71.7 1.04
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.0 1.2 0.00 ^a 2.5 ^a	1.8 27.8 0.09 3.5	6.0 71.7 1.04
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	1.0 1.2 0.00°	1.8 27.8 0.09	6.0 71.7 1.04 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a	1.8 27.8 0.09 3.5 2.7	6.0 71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.0 1.2 0.00° 2.5° 1.1°	1.8 27.8 0.09 3.5 2.7	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a	1.8 27.8 0.09 3.5 2.7	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a 	1.8 27.8 0.09 3.5 2.7 	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.0 1.2 0.00° 2.5° 1.1° 	1.8 27.8 0.09 3.5 2.7	6.0 71.7 1.04 11.3 7.5 6.1 13.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	1.0 1.2 0.00°a 2.5°a 1.1°a 	1.8 27.8 0.09 3.5 2.7 	6.0 71.7 1.04 11.3 7.5 6.1 13.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.0 1.2 0.00° 2.5° 1.1° 	1.8 27.8 0.09 3.5 2.7 	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.0 1.2 0.00°a 2.5°a 1.1°a 	1.8 27.8 0.09 3.5 2.7 	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a 1.7	1.8 27.8 0.09 3.5 2.7 1.3	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a 1.7	1.8 27.8 0.09 3.5 2.7 1.3 3,167	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a 1.7 57 ^a	1.8 27.8 0.09 3.5 2.7 1.3 3,167 4.5 23.3	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a 1.7 57 ^a	1.8 27.8 0.09 3.5 2.7 1.3 3,167 4.5 23.3	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	1.0 1.2 0.00a 2.5a 1.1a 1.7	1.8 27.8 0.09 3.5 2.7 1.3 3,167 4.5 23.3	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a 1.7 57 ^a	1.8 27.8 0.09 3.5 2.7 1.3 3,167 4.5 23.3 140.2	6.0 71.7 1.04 11.33 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a 1.7 57 ^a 	1.8 27.8 0.09 3.5 2.7 1.3 3,167 4.5 23.3 140.2	6.0 71.7 1.04 11.33 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.0 1.2 0.00 ^a 2.5 ^a 1.1 ^a 1.7 57 ^a 	1.8 27.8 0.09 3.5 2.7 1.3 3,167 4.5 23.3 140.2	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9

Paraguay

Latin America & Caribbean

Lower middle income

			Lower middle- income
	Countr	y data	group
	2005	2010	2010
Economic and social context			
Population (millions)	6	6	2,519
Urban population (% of total)	59	62	39
GNI per capita, World Bank Atlas method (\$)	1,220	2,720	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	4.8	6.4
Adult literacy rate (% ages 15 and older)	95		. 71
Gross primary, secondary, tertiary school enrollment (%)	72	71	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	5
Status of main fixed-line operator	Public	Public	;
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	;
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	0-90	100)
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	4.0	3.4
Telecommunications investment (% of revenue)		•	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	5.4	5.6	
Mobile-cellular telephone subscriptions (per 100 people)	32.0	91.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.09	0.44	
Households with a computer (%)	8.7	19.3	
Households with Internet access at home (%)	1.7	13.8	7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		5.0	6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	7.9	19.8	13.5
Quality			
Population covered by a mobile-cellular network (%)		94	
Fixed (wired)-broadband subscriptions (% of total Internet)	9.3	10.1	
International Internet bandwidth (bit/s per Internet user) Affordability	738	8,302	4,896
Fixed-telephone sub-basket (\$ a month)		6.8	5.3
Mobile-cellular sub-basket (\$ a month)		8.6	10.7
Fixed-broadband sub-basket (\$ a month)		19.0	32.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	8.3
ICT goods imports (% of total goods imports)	17.4	27.0	10.4
ICT service exports (% of total service exports)	2.7	1.4	
Applications	•		
E-government Web measure index (0-1, 1=highest presence)	0.47	0.46	0.31
Secure Internet servers (per million people)	1.4	9.7	
(F2	•	5	

Peru

	pper middle income			
			Upper middle- income group	
	Country data			
	2005	2010	2010	
Economic and social context				
Population (millions)	28	29	, -	
Urban population (% of total)	71	72		
GNI per capita, <i>World Bank Atla</i> s method (\$) GDP growth, 2000-05 and 2005-10 (avg. annual %)	2,680 4.3	4,700 7.1	5,886 6.3	
Adult literacy rate (% ages 15 and older)	88	1.1	93	
Gross primary, secondary, tertiary school enrollment (%)	82		73	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Private	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)				
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (percentage allowed)	100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	2.7	2.9	2.4	
Telecommunications investment (% of revenue)	17.9	16.9		
Telecommunications investment (% of revenue) Sector performance	17.9	16.9	**	
Sector performance Access				
Sector performance Access Fixed-telephone subscriptions (per 100 people)	8.7	10.9	21.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	8.7 20.3	10.9 100.1	21.5 84.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	8.7 20.3 1.28	10.9 100.1 3.14	21.5 84.3 8.34	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	8.7 20.3 1.28 8.2	10.9 100.1 3.14 22.7	21.5 84.3 8.34 35.2	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	8.7 20.3 1.28	10.9 100.1 3.14	21.5 84.3 8.34 35.2	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	8.7 20.3 1.28 8.2 3.5	10.9 100.1 3.14 22.7 14.0	21.5 84.3 8.34 35.2 25.1	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	8.7 20.3 1.28 8.2 3.5	10.9 100.1 3.14 22.7 14.0	21.5 84.3 8.34 35.2 25.1	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	8.7 20.3 1.28 8.2 3.5 13.7 40.5	10.9 100.1 3.14 22.7 14.0 9.7 58.6	21.5 84.3 8.34 35.2 25.1 3.2	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	8.7 20.3 1.28 8.2 3.5	10.9 100.1 3.14 22.7 14.0	21.5 84.3 8.34 35.2 25.1 3.2	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	8.7 20.3 1.28 8.2 3.5 13.7 40.5	10.9 100.1 3.14 22.7 14.0 9.7 58.6	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1 ^a	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1 ^a	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1 ^a 92 42.3 2,122	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3 97 98.6	21.5 84.3 8.34 35.2 3.2 137.5 34.1 99 69.0 9,037	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1 ^a 92 42.3	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3 97 98.6 8,487	21.5 84.3 8.34 35.2 3.2 137.5 34.1 99 69.0 9,037	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1 ^a 92 42.3 2,122	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3 97 98.6 8,487	21.5 84.3 83.3 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1ª 92 42.3 2,122	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3 97 98.6 8,487 14.6 43.2	21.5 84.3 83.3 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1ª 92 42.3 2,122	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3 97 98.6 8,487 14.6 43.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1ª 92 42.3 2,122	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3 97 98.6 8,487 14.6 43.2 42.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1 ^a 92 42.3 2,122	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3 97 98.6 8,487 14.6 43.2 42.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 17.6	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1a 92 42.3 2,122 	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3 97 98.6 8,487 14.6 43.2 42.2	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 17.6 15.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	8.7 20.3 1.28 8.2 3.5 13.7 40.5 17.1a 92 42.3 2,122 	10.9 100.1 3.14 22.7 14.0 9.7 58.6 34.3 97 98.6 8,487 14.6 43.2 42.2	84.3 8.34 35.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8	

Dhilinnings

	PIIIIIppiiles
East Asia & Pacific	Lower middle income

	Ot data		Lower middle- income group
	Country data		
	2005	2010	2010
Economic and social context			
Population (millions)	86	93	,
Urban population (% of total)	63	66	
GNI per capita, World Bank Atlas method (\$)	1,210	2,060	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	4.7	4.7	
Adult literacy rate (% ages 15 and older)	93	95	
Gross primary, secondary, tertiary school enrollment (%)	78	79	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	40	40	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2		3.4
Telecommunications investment (% of revenue)	24.4		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.9	7.3	
Mobile-cellular telephone subscriptions (per 100 people)	40.7	85.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.14a	1.85	
Households with a computer (%)	6.6a	13.1	
Households with Internet access at home (%)	4.3a	10.1	a 7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	5.4a	25.0	13.5
Quality	00		0.0
Population covered by a mobile-cellular network (%)	99	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	8.5	47.8	
International Internet bandwidth (bit/s per Internet user) Affordability	696ª	10,723	a 4,896
Fixed-telephone sub-basket (\$ a month)		15.3	5.3
Mobile-cellular sub-basket (\$ a month)		10.1	10.7
Fixed-broadband sub-basket (\$ a month)		21.9	32.4
Trade			
ICT goods exports (% of total goods exports)	47.7	35.6	8.3
ICT goods imports (% of total goods imports)	45.8	31.6	10.4
ICT service exports (% of total service exports)	13.5	12.6	
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.50	0.50	0.31
Secure Internet servers (per million people)	2.5	7.5	
(F2			

Poland

	Country data		High- income	
	2005	2010	group 2010	
Economic and social context				
Population (millions)	38	38	1,127	
Urban population (% of total)	62	61	78	
GNI per capita, World Bank Atlas method (\$)	7,290	12,440	38,746	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.2	4.7	0.6	
Adult literacy rate (% ages 15 and older)	99	100	98	
Gross primary, secondary, tertiary school enrollment (%)	87	88	94	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	С	С		
Mobile telephone service	С	Р		
Internet service	С	С		
Foreign ownership (percentage allowed)	100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	3.8	3.0	2.6	
Telecommunications investment (% of revenue)	16.1	16.8	16.3	
Sector performance				
Access Fixed-telephone subscriptions (per 100 people)	31.0	20.0	44.4	
Mobile-cellular telephone subscriptions (per 100 people)	76.4	122.7	110.8	
Fixed (wired)-broadband subscriptions (per 100 people)	2.48	12.96	26.54	
Households with a computer (%)	40.0	69.0	77.1	
Households with Internet access at home (%)	30.4	63.4	74.0	
Usage	00.1	00.1	11.0	
Int'l. voice traffic, total (minutes/subscription/month)				
Domestic mobile traffic (minutes/subscription/month)	46.7	101.4		
Individuals using the Internet (%)	38.8	62.3	73.6	
Quality				
Population covered by a mobile-cellular network (%)	99	99	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	35.2	100.0	96.0	
International Internet bandwidth (bit/s per Internet user)	1,443a	37,729	60,241	
Affordability Fixed-telephone sub-basket (\$ a month)		20.2	21.2	
Mobile-cellular sub-basket (\$ a month)		15.8	22.3	
Fixed-broadband sub-basket (\$ a month)		18.0	26.3	
Trade				
ICT goods exports (% of total goods exports)	4.0	9.5	10.4	
ICT goods imports (% of total goods imports)	7.9	9.7	12.5	
ICT service exports (% of total service exports)	3.1	6.4	8.1	
Applications				
E-government Web measure index (0-1, 1=highest presence)	0.61	0.54	0.68	
Secure Internet servers (per million people)	22.0	270.0	1,068.0	

Portugal

	Counti	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	11	11	1,127
Urban population (% of total)	58	61	78
GNI per capita, World Bank Atlas method (\$)	18,060	21,870	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.7	0.3	0.6
Adult literacy rate (% ages 15 and older)		95	98
Gross primary, secondary, tertiary school enrollment (%)	89	96	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	Р	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
$\label{eq:Reg.} \textit{Reg. treatment of VoIP (banned, closed, no framework, allowed)}$	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	4.5	2.6
Telecommunications investment (% of revenue)	9.9	13.9	16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	40.2	42.0	44.4
Mobile-cellular telephone subscriptions (per 100 people)	108.6	142.3	
Fixed (wired)-broadband subscriptions (per 100 people)	11.05	19.23	
Households with a computer (%)	42.5	59.5	
Households with Internet access at home (%)	31.5	53.7	
Usage	01.0	00	
Int'l. voice traffic, total (minutes/subscription/month)	15.7		
Domestic mobile traffic (minutes/subscription/month)	80.6	104.7	
Individuals using the Internet (%)	35.0	51.1	73.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	81.1	92.4	96.0
International Internet bandwidth (bit/s per Internet user)		146,649	
Affordability	,-	-,-	/
Fixed-telephone sub-basket (\$ a month)		25.3	21.2
Mobile-cellular sub-basket (\$ a month)		22.9	
Fixed-broadband sub-basket (\$ a month)		26.3	
Trade	•		
ICT goods exports (% of total goods exports)	7.8	4.0	10.4
ICT goods imports (% of total goods imports)	8.4	5.7	
ICT service exports (% of total service exports)	4.5	4.2	
Applications			3.1
E-government Web measure index (0–1, 1=highest presence)	0.65	0.65	0.68
Secure Internet servers (per million people)	57.4		1,068.0
(Far basket)			.,

Puerto Rico

	Countr	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	4	4	1,127
Urban population (% of total)	98	99	78
GNI per capita, World Bank Atlas method (\$)	14,190	15,500	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.9	-1.9	0.6
Adult literacy rate (% ages 15 and older)	90	90	98
Gross primary, secondary, tertiary school enrollment (%)		87	94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access	27.4ª	23.8	44.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	52.7	78.3	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	3.13	14.71	26.54
Households with a computer (%)	3.13	55.0	77.1
Households with Internet access at home (%)		50.0	74.0
Usage		30.0	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		••	
Individuals using the Internet (%)	23.4ª	45.3	73.6
Quality	20.1	10.0	10.0
Population covered by a mobile-cellular network (%)	62	68	100
Fixed (wired)-broadband subscriptions (% of total Internet)		95.8	96.0
International Internet bandwidth (bit/s per Internet user)		135,429	
Affordability Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			20.0
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0–1, 1=highest presence)			0.68
Secure Internet servers (per million people)	31.2	98.4	1,068.0
A Frank W			,

Qatar

	Country	/ data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.82	2	1,127
Urban population (% of total)	95	96	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.7	20.9	0.6
Adult literacy rate (% ages 15 and older)	89	95	98
Gross primary, secondary, tertiary school enrollment (%)	78	57	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	Р	
Mobile telephone service	M	Р	
Internet service	M	Р	
Foreign ownership (percentage allowed)	b	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	1.6	2.6
Telecommunications investment (% of revenue)	26.3	21.4	16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	25.0	16.9	
Mobile-cellular telephone subscriptions (per 100 people)	87.3	132.4	
Fixed (wired)-broadband subscriptions (per 100 people)	3.12	8.19	
Households with a computer (%)	65.7a	89.6	
Households with Internet access at home (%)	31.5ª	84.0	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	79.1		
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	24.7	81.6	73.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	48.2	95.8	96.0
International Internet bandwidth (bit/s per Internet user) Affordability	3,817	17,072	60,241
Fixed-telephone sub-basket (\$ a month)		9.1	21.2
Mobile-cellular sub-basket (\$ a month)		18.4	
Fixed-broadband sub-basket (\$ a month)		54.9	
Trade		54.5	20.5
ICT goods exports (% of total goods exports)	0.0	0.0	10.4
ICT goods imports (% of total goods imports)	4.8	4.3	
ICT service exports (% of total service exports)			8.1
Applications			0.1
E-government Web measure index (0-1, 1=highest presence)	0.53	0.74	0.68
Secure Internet servers (per million people)	20.7	126.2	
Secure interner servers (her million heahie)	20.1	120.2	1,000.0

Romania

	pper m	iddle i	ncome
	0		Upper middle- income
	Country 2005	2010	group 2010
Economic and social context	2003	2010	2010
Population (millions)	22	21	2.452
Urban population (% of total)	54	55	, -
GNI per capita, World Bank Atlas method (\$)	3,920	7,850	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.8	2.9	6.3
Adult literacy rate (% ages 15 and older)	97	98	93
Gross primary, secondary, tertiary school enrollment (%)	77	85	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.0	
Telecommunications investment (% of revenue)	23.0	15.7	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	20.1	20.9	
Mobile-cellular telephone subscriptions (per 100 people)	61.3	114.7	
Fixed (wired)-broadband subscriptions (per 100 people)	1.73	13.87	
Households with a computer (%)	24.7	47.9	
	9.8a		
Households with Internet access at home (%) Usage	0.0	42.2	25.1
Housenolds with Internet access at nome (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	10.2	42.2 8.9	
Usage			3.2
Usage Int'l. voice traffic, total (minutes/subscription/month)	10.2	8.9	3.2 137.9
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	10.2 57.2	8.9 174.1	3.2 137.5
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	10.2 57.2	8.9 174.1	3.2 137.9 34.1
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	10.2 57.2 21.5 ^a	8.9 174.1 39.9	3.2 137.9 34.2
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	10.2 57.2 21.5 ^a	8.9 174.1 39.9	3.2 137.9 34.1 99.69.0
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	10.2 57.2 21.5a 99 47.7 2,879	8.9 174.1 39.9 100 99.3 51,402	3.2 137.5 34.1 99.69.0
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	10.2 57.2 21.5 ^a 99 47.7 2,879	8.9 174.1 39.9 100 99.3 51,402	3.2 137.5 34.1 99 69.0 9,031
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	10.2 57.2 21.5 ^a 99 47.7 2,879	8.9 174.1 39.9 100 99.3 51,402	3.2 137.9 34.1 99 69.0 9,03
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	10.2 57.2 21.5 ^a 99 47.7 2,879	8.9 174.1 39.9 100 99.3 51,402 13.3 21.8	3.2 137.9 34.1 99 69.0 9,03
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	10.2 57.2 21.5 ^a 99 47.7 2,879	8.9 174.1 39.9 100 99.3 51,402 13.3 21.8	3.1 137.5 34.1 99.69.0 9,03 9.8 14.5
Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	10.2 57.2 21.5 ^a 99 47.7 2,879	8.9 174.1 39.9 100 99.3 51,402 13.3 21.8 4.8	3.1 137.5 34.1 99.69.0 9,03 9.1 14.5 15.1
Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	10.2 57.2 21.5a 99 47.7 2,879 	8.9 174.1 39.9 100 99.3 51,402 13.3 21.8 4.8	3.1 137.5 34.1 99.69.0 9,03 9.1 17.0 15.1 15.1
Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	10.2 57.2 21.5 ^a 99 47.7 2,879 	8.9 174.1 39.9 100 99.3 51,402 13.3 21.8 4.8 8.4 9.3	3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	10.2 57.2 21.5 ^a 99 47.7 2,879 	8.9 174.1 39.9 100 99.3 51,402 13.3 21.8 4.8 8.4 9.3	3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 15.6 15.6 5.8

Russian Federation

Europe & Central Asia	Jpper m	iddle i	ncome
			Upper middle-
	Countr	y data	income group
	2005	2010	2010
Economic and social context			
Population (millions)	143	142	2,452
Urban population (% of total)	73	73	57
GNI per capita, World Bank Atlas method (\$)	4,460	9,900	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.2	3.1	6.3
Adult literacy rate (% ages 15 and older)	99	100	93
Gross primary, secondary, tertiary school enrollment (%)	82	85	73
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	2.8	2.4
Telecommunications investment (% of revenue)	32.1	15.3	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.9	31.4	21.5
Mobile-cellular telephone subscriptions (per 100 people)	83.4	166.3	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	10.98	8.34
Households with a computer (%)	14.0	50.0	a 35.2
Households with Internet access at home (%)	7.0	42.1	a 25.1
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			3.2
Domestic mobile traffic (minutes/subscription/month)		92.7	137.9
Individuals using the Internet (%)	15.2	43.0	34.1
Quality			
Population covered by a mobile-cellular network (%)	95		99
Fixed (wired)-broadband subscriptions (% of total Internet)	8.3	21.6	
International Internet bandwidth (bit/s per Internet user)	656a	30,776	9,037
Affordability			
Fixed-telephone sub-basket (\$ a month)		6.2	
Mobile-cellular sub-basket (\$ a month)		9.2	
Fixed-broadband sub-basket (\$ a month)		9.9	17.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	
ICT goods imports (% of total goods imports)	7.8	7.9	
ICT service exports (% of total service exports)	4.3	6.0	5.8
Applications	0 = 1		
E-government Web measure index (0–1, 1=highest presence)	0.51	0.66	0.46

20.1

27.2

Secure Internet servers (per million people)

Rwanda

Sub-Saharan Africa Low income

	Country	v data	Low- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	9	11	796
Urban population (% of total)	18	19	28
GNI per capita, World Bank Atlas method (\$)	270	520	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.3	7.4	5.7
Adult literacy rate (% ages 15 and older)	65	71	61
Gross primary, secondary, tertiary school enrollment (%)	56	68	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)		100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	3.0	
Telecommunications investment (% of revenue)	22.7	108.6	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3a	0.4	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.4	33.4	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.02	0.05
Households with a computer (%)	0.2	0.5	a 2.8
Households with Internet access at home (%)	0.1	0.1	a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	12.8	3.7	
Domestic mobile traffic (minutes/subscription/month)	11.8	50.5	
Individuals using the Internet (%) Quality	0.6a	13.0	5.7
Population covered by a mobile-cellular network (%)	75	96	
Fixed (wired)-broadband subscriptions (% of total Internet)	40.0	15.8	
International Internet bandwidth (bit/s per Internet user)	1,055	1,190	
Affordability	,	,	,
Fixed-telephone sub-basket (\$ a month)		13.2	8.8
Mobile-cellular sub-basket (\$ a month)		13.9	13.0
Fixed-broadband sub-basket (\$ a month)		86.1	54.6
Trade			
ICT goods exports (% of total goods exports)	1.2	0.6	
ICT goods imports (% of total goods imports)	8.4	11.7	
ICT service exports (% of total service exports)		4.4	
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.29	0.34	0.20
Secure Internet servers (per million people)		0.9	0.8

Samoa

East Asia & Pacific	Lower m	iddle i	ncome
			Lower middle-
	Countr	y data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.18	0.18	2,519
Urban population (% of total)	22	23	39
GNI per capita, World Bank Atlas method (\$)	2,090	2,980	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.9	0.6	6.4
Adult literacy rate (% ages 15 and older)	99	99	71
Gross primary, secondary, tertiary school enrollment (%)	78		
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	С	С	
Foreign ownership (percentage allowed)	90	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0		3.4
Telecommunications investment (% of revenue)			
Sector performance Access Fixed talaphase subscriptions (per 100 people)	10.8	19.3	a 6.0
Fixed-telephone subscriptions (per 100 people)	10.8	91.4	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.04a	0.11	
Households with a computer (%)			44.0
Households with Internet access at home (%)			7.5
Usage			1.0
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)			0.1
Individuals using the Internet (%)	3.4	7.0	13.5
Quality	0.1	1.0	10.0
Population covered by a mobile-cellular network (%)			86
Fixed (wired)-broadband subscriptions (% of total Internet)			E7 4
International Internet bandwidth (bit/s per Internet user)	1,489	3,901	
Affordability	1,100	0,001	1,000
Fixed-telephone sub-basket (\$ a month)		12.0	5.3
Mobile-cellular sub-basket (\$ a month)		17.6	
Fixed-broadband sub-basket (\$ a month)		60.8	
Trade		00.0	02
ICT goods exports (% of total goods exports)	0.1	0.1	8.3
ICT goods imports (% of total goods imports)	2.0	2.4	
ICT service exports (% of total service exports)	5.3	4.0	
Applications	5.5	4.0	21.0
E-government Web measure index (0-1, 1=highest presence)	0.38	0.28	0.31
Secure Internet servers (per million people)	5.5	21.8	
Cook of the Cook o	5.5	21.0	5.5

San Marino

	Count	ry data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.03	0.03	1,127
Urban population (% of total)	94	94	78
GNI per capita, World Bank Atlas method (\$)	40,370	50,400	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.2	3.1	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4		2.6
Telecommunications investment (% of revenue)	50.0		16.3
Sector performance			
Access	68.8	00.00	44.4
Fixed-telephone subscriptions (per 100 people)	56.6	68.8ª 76.1ª	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	4.03	32.03	
Households with a computer (%)		32.03	77.1
Households with Internet access at home (%)			74.0
Usage			14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	50.3	54.2	73.6
Quality			
Population covered by a mobile-cellular network (%)		98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	22.2	75.4	96.0
International Internet bandwidth (bit/s per Internet user) Affordability	10,178	588,245	60,241
Fixed-telephone sub-basket (\$ a month)		25.6	21.2
Mobile-cellular sub-basket (\$ a month)		23.8	22.3
Fixed-broadband sub-basket (\$ a month)		22.2	26.3
Trade			20.0
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.29	0.68
Secure Internet servers (per million people)	363.0	1,236.8	1,068.0

São Tomé and Príncipe

Sub-Saharan Africa	Lower m	iddle i	ncome
	Countr	y data	Lower middle- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.15	0.17	2,519
Urban population (% of total)	58	62	39
GNI per capita, World Bank Atlas method (\$)	770	1,200	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.0	5.4	6.4
Adult literacy rate (% ages 15 and older)	85	89	71
Gross primary, secondary, tertiary school enrollment (%)	66	71	
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service		М	'
Internet service		М	'
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.1		3.4
Telecommunications investment (% of revenue)	14.9		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.7a	4.6	6.0
Mobile-cellular telephone subscriptions (per 100 people)	7.8	62.0	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.35	1.04
Households with a computer (%)			11.3
Households with Internet access at home (%)			7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	33.2		6.1
Domestic mobile traffic (minutes/subscription/month)	4.6		
Individuals using the Internet (%)	13.8a	18.8	13.5
Quality			
Population covered by a mobile-cellular network (%)	8		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		
International Internet bandwidth (bit/s per Internet user)	95	1,032	4,896
Affordability		0.0	
Fixed-telephone sub-basket (\$ a month)		8.3	
Mobile-cellular sub-basket (\$ a month)		12.7	
Fixed-broadband sub-basket (\$ a month) Trade		285.4	32.4
	0.0	0.7	. 01
ICT goods exports (% of total goods exports)	0.0	0.7	
ICT goods imports (% of total goods imports)	3.4	5.8	
ICT service exports (% of total service exports) Applications			27.9
E-government Web measure index (0-1, 1=highest presence)	0.32	0.12	0.31
Secure Internet servers (per million people)	12.7	17.8	3.4
,			

Saudi Arabia

	Country	y data	High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	24	27	1,127
Urban population (% of total)	81	84	78
GNI per capita, World Bank Atlas method (\$)	12,230	16,190	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.0	2.6	0.6
Adult literacy rate (% ages 15 and older)	85	86	98
Gross primary, secondary, tertiary school enrollment (%)	77	84	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р		
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (percentage allowed)	c	0-70	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.8	2.6
Telecommunications investment (% of revenue)	21.5	18.3	16.3
Sector performance			
Access	16.0	15.2	44.4
Fixed-telephone subscriptions (per 100 people)	58.9	187.9	110.8
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.28a	5.45	26.54
Households with a computer (%)	30.0	57.3	
Households with Internet access at home (%)	20.0	54.4	
Usage	20.0	54.4	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	15.6	82.0	
Individuals using the Internet (%)	12.7	41.0	73.6
Quality			
Population covered by a mobile-cellular network (%)	96	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	5.4	78.9	96.0
International Internet bandwidth (bit/s per Internet user)	393	28,252	60,241
Affordability		0.0	21.2
Fixed-telephone sub-basket (\$ a month)		9.2 14.1	21.2
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)		26.6	26.3
Trade		20.0	20.3
ICT goods exports (% of total goods exports)	0.1	0.1	10.4
ICT goods imports (% of total goods imports)	6.5	7.2	12.5
ICT service exports (% of total service exports)	0.5	1.2	8.1
Applications			0.1
E-government Web measure index (0-1, 1=highest presence)	0.49	0.80	0.68
Secure Internet servers (per million people)	3.2		1,068.0
			,

Senegal

Sub-Saharan Africa	Lower m	iddle i	ncome
			Lower middle-
	Countr	y data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)	11	12	2,519
Urban population (% of total)	42	43	39
GNI per capita, World Bank Atlas method (\$)	800	1,080	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.6	3.5	6.4
Adult literacy rate (% ages 15 and older)	42	50	71
Gross primary, secondary, tertiary school enrollment (%)	43	50	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	P	
Mobile telephone service	С	Р	
Internet service	С	Р	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	7.8	10.0	3.4
Telecommunications investment (% of revenue)	22.1	25.5	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.5	2.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	15.9	67.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.17	0.63	1.04
Households with a computer (%)	2.9a	5.7	a 11.3
Households with Internet access at home (%)	0.7a	4.5	a 7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	36.4	13.5	
Domestic mobile traffic (minutes/subscription/month)	42.6	69.9	
Individuals using the Internet (%)	4.8	16.0	13.5
Quality	0.5		0.0
Population covered by a mobile-cellular network (%)	85	90	
Fixed (wired)-broadband subscriptions (% of total Internet)	86.8	100.0	
International Internet bandwidth (bit/s per Internet user)	1,489	2,413	4,896
Affordability		10.3	5.3
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)		10.3	
• • •		36.1	
Fixed-broadband sub-basket (\$ a month) Trade		30.1	32.4
ICT goods exports (% of total goods exports)	0.4	0.4	8.3
ICT goods imports (% of total goods imports)	3.9	3.3	
ICT service exports (% of total service exports)	13.6	12.9	
Applications	13.0	12.9	21.8
E-government Web measure index (0-1, 1=highest presence)	0.25	0.35	0.31
Secure Internet servers (per million people)	0.23	1.4	
Cooding internet out to to their initiality beoble)	0.5	1.4	5.4

Serbia

Europe & Central Asia U	 	iddle i	
			Upper
	Countr	y data	middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	7	7	2,452
Urban population (% of total)	52	52	57
GNI per capita, World Bank Atlas method (\$)	3,430	5,630	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.3	2.0	6.3
Adult literacy rate (% ages 15 and older)			93
Gross primary, secondary, tertiary school enrollment (%)	78	79	73
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service		C	
Foreign ownership (percentage allowed)		100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
	4 7	- 1	2.4
Telecommunications revenue (% of GDP)	4.7	5.1	2.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	22.9	18.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	22.9 32.9	18.4	21.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	22.9 32.9 71.8	40.5 129.2	21.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	32.9 71.8 0.44	40.5 129.2 11.18	21.5 84.3 8.34
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	32.9 71.8 0.44 25.0	40.5 129.2 11.18 50.9	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	32.9 71.8 0.44	40.5 129.2 11.18	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	32.9 71.8 0.44 25.0 18.0	40.5 129.2 11.18 50.9 40.2	21.5 84.3 8.34 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	32.9 71.8 0.44 25.0 18.0	40.5 129.2 11.18 50.9 40.2	21.5 84.3 8.34 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	32.9 71.8 0.44 25.0 18.0	40.5 129.2 11.18 50.9 40.2 8.6 73.3	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	32.9 71.8 0.44 25.0 18.0	40.5 129.2 11.18 50.9 40.2	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	32.9 71.8 0.44 25.0 18.0	40.5 129.2 11.18 50.9 40.2 8.6 73.3	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3a	18.4 40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3°	18.4 40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4	18.4 40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3 ^a 96 4.4	18.4 40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5	21.5 84.3 8.34 35.2 32.1 37.5 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3a 96 4.4 852	18.4 40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5 47,011	21.8 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3a 96 4.4 852	40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5 47,011	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3a 96 4.4 852	40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5 47,011 5.4 11.6	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3a 96 4.4 852	40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5 47,011 5.4 11.6	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3a 96 4.4 852	18.4 40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5 47,011 5.4 11.6 15.3	21.5.84.3 8.34.3 35.2 3.2 137.9 34.1 99.69.0 9,037 9.8 14.9 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3a 96 4.4 852	18.4 40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5 47,011 5.4 11.6 15.3	21.5 84.3 8.3 ² 35.2 137.9 34.1 99 69.0 9,037 9.8 14.9 15.5 15.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3 96 4.4 852 0.5 5.5	40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5 47,011 5.4 11.6 15.3	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	32.9 71.8 0.44 25.0 18.0 13.5 27.6 26.3 96 4.4 852 0.5 5.5	40.5 129.2 11.18 50.9 40.2 8.6 73.3 40.9 97 93.5 47,011 5.4 11.6 15.3	84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0

Seychelles

Upper n		
		Upper middle- income
Count	ry data	group
2005	2010	2010
0.08	0.09	2,452
53	55	57
9,680	9,710	
85	87	73
No	No	
Private	Private	
	C	
Р	P	
Р	C	
100	100	
d) A	A	
6.6	4.0	2.4
24.9		
25.6	25.5	21.5
70.4	135.9	84.3
1.14	7.26	8.34
12.0a	32.1	a 35.2
6.0a	17.1	a 25.1
9.3	9.1	3.2
		137.9
25.4	41.0	a 34.1
98	98	99
24.5	79.3	69.0
1,107	5,229	9,037
	9.1	9.8
	15.9	14.9
	48.1	17.6
0.0	0.0	15.5
1.5	2.1	15.0
3.5		5.8
0.49	0.33	0.46
482.5	1,324.3	20.1
	2005 0.08 53 9.680 -1.2 92 85 No Private P P 100 d) A 6.66 24.9 25.6 70.4 1.14 12.0³ 6.0³ 9.3 25.4 98 24.5 1,107 0.0 1.5 3.5 0.49	0.08 0.09 53 55 9,680 9,710 -1.2 4.0 92 92 85 87 No No Private Private CC P P P C 100 1000 d) A A 6.6 4.0 24.9 25.6 25.5 70.4 135.9 1.14 7.26 12.0a 32.1 6.0a 17.1 9.3 9.1 25.4 41.0 98 98 24.5 79.3 1,107 5,229 9.1 15.9 48.1 0.0 0.0 1.5 2.1 3.5 0.49 0.33

Sierra Leone

Sub-Saharan Africa Low income

	Country	Country data		Country data		Country data	
•	2005	2010	group 2010				
Economic and social context							
Population (millions)	5	6	796				
Urban population (% of total)	37	38	28				
GNI per capita, World Bank Atlas method (\$)	230	340	530				
GDP growth, 2000-05 and 2005-10 (avg. annual %)	13.7	5.4	5.7				
Adult literacy rate (% ages 15 and older)	35	41	61				
Gross primary, secondary, tertiary school enrollment (%)							
Sector structure							
Separate telecommunications/ICT regulator	No	Yes					
Status of main fixed-line operator	Public	Public					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)		P					
Mobile telephone service	С	P					
Internet service	Р	P					
Foreign ownership (percentage allowed)							
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)							
Telecommunications investment (% of revenue)							
Sector performance Access	0.53	0.0	4.4				
Fixed-telephone subscriptions (per 100 people)	0.5a	0.2					
Mobile-cellular telephone subscriptions (per 100 people)	14.2ª	34.1	33.3				
Fixed (wired)-broadband subscriptions (per 100 people)	0.00		0.05				
Households with a computer (%)			2.8				
Households with Internet access at home (%)			1.6				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)							
Individuals using the Internet (%) Quality	0.2	0.3	a 5.7				
Population covered by a mobile-cellular network (%)	70						
Fixed (wired)-broadband subscriptions (% of total Internet)							
International Internet bandwidth (bit/s per Internet user)			1,737				
Affordability Fixed-telephone sub-basket (\$ a month)			8.8				
·			13.0				
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			54.6				
Trade			34.0				
ICT goods exports (% of total goods exports)							
ICT goods imports (% of total goods imports)							
ICT service exports (% of total service exports)							
Applications							
E-government Web measure index (0-1, 1=highest presence)	0.15	0.17	0.20				
Secure Internet servers (per million people)	0.13	0.17	0.20				
Coodio internet servers (per minion people)	0.1	0.1	0.0				

Singapore

	Count	ry data	High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	4	5	1,127
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)	27,180	40,070	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.1	5.4	0.6
Adult literacy rate (% ages 15 and older)	93	95	98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	4.0	2.6
Telecommunications investment (% of revenue)	12.6		16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	43.2	39.2	44.4
Mobile-cellular telephone subscriptions (per 100 people)	102.8	145.2	
Fixed (wired)-broadband subscriptions (per 100 people)	15.38	24.94	
Households with a computer (%)	74.0	84.0	
Households with Internet access at home (%)	66.0	82.0	
Usage	00.0	02.0	14.0
Int'l. voice traffic, total (minutes/subscription/month)	75.2	89.1	
Domestic mobile traffic (minutes/subscription/month)	70.2		
Individuals using the Internet (%)	61.0	71.0	73.6
Quality	01.0	11.0	10.0
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	29.1	95.1	96.0
International Internet bandwidth (bit/s per Internet user)	33,532	172,151	
Affordability	00,002	1.2,101	00,2.1
Fixed-telephone sub-basket (\$ a month)		8.2	21.2
Mobile-cellular sub-basket (\$ a month)		8.1	22.3
Fixed-broadband sub-basket (\$ a month)		26.7	
Trade			
ICT goods exports (% of total goods exports)	45.5	34.3	10.4
ICT goods imports (% of total goods imports)	37.9	27.9	
ICT service exports (% of total service exports)	1.9	2.8	8.1
Applications	0	0	
E-government Web measure index (0-1, 1=highest presence)	0.70	1.00	0.68
Secure Internet servers (per million people)	275.4	607.3	
(F		22.10	., 10

Sint Maarten (Dutch part)

	Countr	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.04	0.04	1,127
Urban population (% of total)			78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)			44.4
Mobile-cellular telephone subscriptions (per 100 people)			110.8
Fixed (wired)-broadband subscriptions (per 100 people)			26.54
Households with a computer (%)			77.1
Households with Internet access at home (%)			74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)			73.6
Quality			400
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			96.0
International Internet bandwidth (bit/s per Internet user) Affordability			60,241
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)			1,068.0
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Slovak Republic

	Country data		High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	5	5	1,127
Urban population (% of total)	56	57	78
GNI per capita, World Bank Atlas method (\$)	11,040	16,840	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.9	4.4	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	76	80	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	Р	
Mobile telephone service	С	Р	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	3.0	2.6
Telecommunications investment (% of revenue)	22.6	18.1	16.3
Sector performance Access Fixed-telephone subscriptions (per 100 people)	22.1	20.1	44.4
Mobile-cellular telephone subscriptions (per 100 people)	83.8	108.5	
Fixed (wired)-broadband subscriptions (per 100 people)	3.35	12.71	26.54
Households with a computer (%)	47.0	72.2	77.1
Households with Internet access at home (%)	23.0	67.5	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	12.4	18.0	
Domestic mobile traffic (minutes/subscription/month)	86.4	113.0	
Individuals using the Internet (%)	55.2	79.4	73.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	61.7	95.0	
International Internet bandwidth (bit/s per Internet user) Affordability	4,751	11,526	60,241
Fixed-telephone sub-basket (\$ a month)		20.4	21.2
Mobile-cellular sub-basket (\$ a month)		38.2	
Fixed-broadband sub-basket (\$ a month)		25.9	
Trade	••	23.9	20.3
ICT goods exports (% of total goods exports)	9.4	19.3	10.4
	9.4 8.3	15.4	
ICT goods imports (% of total goods imports)	5.2	9.2	
ICT service exports (% of total service exports) Applications	5.2	9.2	8.1
• •	0.50	0.50	0.68
E-government Web measure index (0–1, 1=highest presence)	0.59 18.4		1,068.0
Secure Internet servers (per million people)	10.4	103.9	1,008.0

Slovenia

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	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	2	2	1,127
Urban population (% of total)	50	48	78
GNI per capita, World Bank Atlas method (\$)	18,070	23,900	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.6	1.5	0.6
Adult literacy rate (% ages 15 and older)	100	100	98
Gross primary, secondary, tertiary school enrollment (%)	91	94	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	C	С	
Foreign ownership (percentage allowed)	100	100	
$\label{eq:Reg.} \textit{Reg. treatment of VoIP (banned, closed, no framework, allowed)}$	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.6	2.6
Telecommunications investment (% of revenue)	23.8	11.8	16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	50.9	44.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	87.9	104.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	9.82	24.25	26.54
Households with a computer (%)	61.0	70.5	77.1
Households with Internet access at home (%)	48.2	68.1	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	11.6	11.2	
Domestic mobile traffic (minutes/subscription/month)	109.4	140.2	
Individuals using the Internet (%) Quality	46.8	70.0	73.6
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.4	97.9	96.0
International Internet bandwidth (bit/s per Internet user) Affordability	2,678a	70,384	60,241
-		17.0	21.2
Fixed-telephone sub-basket (\$ a month)		17.9	
Mobile-cellular sub-basket (\$ a month)		20.8	22.3
Fixed-broadband sub-basket (\$ a month) Trade		34.2	26.3
ICT goods exports (% of total goods exports)	1.3	2.2	10.4
ICT goods imports (% of total goods imports)	4.3	4.6	12.5
ICT service exports (% of total service exports)	5.7	7.3	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.67	0.67	0.68
Secure Internet servers (per million people)	79.0		1,068.0
,			

Solomon Islands

East Asia & Pacific I	ower n	niddle i	ncome
			Lower middle- income
	Counti	y data	group
	2005	2010	2010
Economic and social context			
Population (millions)	0.47	0.54	2,519
Urban population (% of total)	17	19	39
GNI per capita, World Bank Atlas method (\$)	890	1,030	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.6	6.0	6.4
Adult literacy rate (% ages 15 and older)			71
Gross primary, secondary, tertiary school enrollment (%)	51		
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7		3.4
Telecommunications investment (% of revenue)	2.,		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6	1.6	
Mobile-cellular telephone subscriptions (per 100 people)	1.3	5.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.10	0.37	
Households with a computer (%)			
Households with Internet access at home (%) Usage			7.5
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	0.8	5.0	-
Quality	0.0	5.0	15.5
Population covered by a mobile-cellular network (%)			86
Fixed (wired)-broadband subscriptions (% of total Internet)	23.7		
International Internet bandwidth (bit/s per Internet user)	2,042	1,115	
Affordability	2,042	1,110	4,090
Fixed-telephone sub-basket (\$ a month)			5.3
Mobile-cellular sub-basket (\$ a month)			40.7
Fixed-broadband sub-basket (\$ a month)			32.4
Trade			32.4
			8.3
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)	27	2.5	
ICT service exports (% of total service exports)	3.7	2.5	27.9
Applications	0.27	0.10	0.24
E-government Web measure index (0-1, 1=highest presence)	0.27	0.13	
Secure Internet servers (per million people)	4.3	7.2	3.4

Somalia

Sub-Saharan Africa Low income

	Countr	y data	Low- income group
	2005	2010	2010
Economic and social context			
Population (millions)	8	9	796
Urban population (% of total)	35	37	28
GNI per capita, World Bank Atlas method (\$)			530
GDP growth, 2000-05 and 2005-10 (avg. annual %)			5.7
Adult literacy rate (% ages 15 and older)			61
Gross primary, secondary, tertiary school enrollment (%)	17		
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)	••		
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	1.2a	1.1	a 1.1
Mobile-cellular telephone subscriptions (per 100 people)	6.0	6.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)	0.00	0.00	2.8
Households with Internet access at home (%)			1.6
Usage			1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			••
Individuals using the Internet (%)	1.1	1.2	a 5.7
Quality			0
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		
International Internet bandwidth (bit/s per Internet user)	33		1,737
Affordability			, -
Fixed-telephone sub-basket (\$ a month)			8.8
Mobile-cellular sub-basket (\$ a month)			13.0
Fixed-broadband sub-basket (\$ a month)			54.6
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.18	0.20
Secure Internet servers (per million people)	0.1	0.2	0.8

South Africa

Sub-Saharan Africa U	lpper m	idale i	ncome
	Countr		Upper middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	47	50	2,452
Urban population (% of total)	59	62	57
GNI per capita, World Bank Atlas method (\$)	4,850	6,090	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.8	3.0	6.3
Adult literacy rate (% ages 15 and older)	89		93
Gross primary, secondary, tertiary school enrollment (%)			73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	Р	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (percentage allowed)	85	85	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
	6.3		2.4
Telecommunications revenue (% of GDP)	0.5		2.
lelecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	9.8		
Telecommunications investment (% of revenue)			
Telecommunications investment (% of revenue) Sector performance			
Telecommunications investment (% of revenue) Sector performance Access	9.8		21.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	9.8	8.4	21.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	9.8 9.9 71.1	8.4 100.5	21.5 84.3 8.34
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	9.8 9.9 71.1 0.35	8.4 100.5 1.48	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	9.8 9.9 71.1 0.35 13.0°	8.4 100.5 1.48 18.3	21.5 84.3 8.34 35.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	9.8 9.9 71.1 0.35 13.0°	8.4 100.5 1.48 18.3	21.5 84.3 8.34 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	9.8 9.9 71.1 0.35 13.0 ^a 3.0 ^a	8.4 100.5 1.48 18.3 10.1	21.5 84.3 8.34 35.2 25.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	9.8 9.9 71.1 0.35 13.0 ^a 3.0 ^a	8.4 100.5 1.48 18.3 10.1	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	9.9 71.1 0.35 13.0° 3.0°	8.4 100.5 1.48 18.3 10.1	21.5 84.3 8.34 35.2 25.1 3.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	9.9 71.1 0.35 13.0° 3.0°	8.4 100.5 1.48 18.3 10.1	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	9.9 71.1 0.35 13.0a 3.0a 	8.4 100.5 1.48 18.3 10.1 	21.5 84.3 8.3 ⁴ 35.2 25.1 3.2 137.5 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	9.8 9.9 71.1 0.35 13.0a 3.0a 7.5	8.4 100.5 1.48 18.3 10.1 12.3	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	9.8 9.9 71.1 0.35 13.0a 3.0a 7.5	8.4 100.5 1.48 18.3 10.1 	21.5 84.3 8.34 35.2 25.1 3.2 137.5 34.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	9.8 9.9 71.1 0.35 13.0a 3.0a 7.5	8.4 100.5 1.48 18.3 10.1 12.3 1,714	21.8 84.3 8.34 35.2 25.1 3.2 137.9 34.1 9.9 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	9.8 9.9 71.1 0.35 13.0a 3.0a 7.5 96 1.7 246	8.4 100.5 1.48 18.3 10.1 12.3 1,714	21.8 84.3 8.34 35.2 25.1 3.2 137.9 34.1 9.9 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.8 9.9 71.1 0.35 13.0a 3.0a 7.5 96 1.7 246	8.4 100.5 1.48 18.3 10.1 12.3 1,714	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 9.9 9,037
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.8 9.9 71.1 0.35 13.0a 7.5 96 1.7 246	8.4 100.5 1.48 18.3 10.1 12.3 1,714 25.0 23.3 27.4	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	9.8 9.9 71.1 0.35 13.0 ^a 3.0 ^a 7.5 96 1.7 246	8.4 100.5 1.48 18.3 10.1 12.3 1,714 25.0 23.3 27.4	21.5 84.5 8.34 35.2 25.1 3.2 137.5 34.1 99 69.0 9,037 14.5 17.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	9.8 9.9 71.1 0.35 13.0a 3.0a 7.5 96 1.7 246	8.4 100.5 1.48 18.3 10.1 12.3 1,714 25.0 23.3 27.4 1.0 9.4	21.5 84.3 8.34 35.2 25.1 3.2 137.9 69.6 9,037 9.8 14.9 15.5 15.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	9.8 9.9 71.1 0.35 13.0 ^a 3.0 ^a 7.5 96 1.7 246	8.4 100.5 1.48 18.3 10.1 12.3 1,714 25.0 23.3 27.4	21.5 84.3 8.34 35.2 25.1 3.2 137.9 69.6 9,037 9.8 14.9 15.5 15.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	9.8 9.9 71.1 0.35 13.0a 3.0a 7.5 96 1.7 246 1.2 11.1 2.7	8.4 100.5 1.48 18.3 10.1 12.3 1,714 25.0 23.3 27.4 1.0 9.4 3.7	21.8 84.3 8.34 35.2 25.1 3.2 137.9 34.1 9.0 9,037 9.8 14.9 15.6 15.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	9.8 9.9 71.1 0.35 13.0a 3.0a 7.5 96 1.7 246	8.4 100.5 1.48 18.3 10.1 12.3 1,714 25.0 23.3 27.4 1.0 9.4	21.5 84.3 8.34 35.2 25.1 3.2 137.9 34.1 99 69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8

South Sudan

Sub-Saharan Africa	Lower m	niddle i	ncome
			Lower middle-
	Countr	v data	income
	2005	2010	group 2010
Economic and social context			
Population (millions)			2,519
Urban population (% of total)			39
GNI per capita, World Bank Atlas method (\$)			1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)			6.4
Adult literacy rate (% ages 15 and older)			7:
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed		
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	(b		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			3.4
			3.4
<u> </u>			
Sector performance			
Access			6.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)			6.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)			6.0 71.7 1.04
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)			6.0 71.7 1.04 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)		 	6.0 71.7 1.04 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)		 	6.0 71.1 1.0 ² 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage			6.0 71.1 1.0 ² 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	 		6.0 71.7 1.04 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)			6.0 71.7 1.04 11.3 7.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)			6.0 71.7 1.04 11.3 7.5 6.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality			6.0 71 1.04 11.3 7.5 6.1 13.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)			6.0 71 1.04 11.3 7.5 6.1 13.5 86
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)			6.0 71.7 1.04 11.3 7.5 6.2 13.5 86 57.2 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)			6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)			6.0 71.1 1.04 11.3 7.8 6.1 13.8 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			6.0 71.1 1.04 11.3 7.8 6.1 13.8 86 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			6.0 71.1 1.04 11.3 7.5 6.1 13.5 4,890 5.3 10.1 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			6.0 71.1 1.04 11.3 7.5 6.1 13.5 4,896 57.1 4,896
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)			6.0 71.7 1.0 11.3 7.5 6.3 13.5 86 57.3 4,896 5.3 10.7 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)			6.0 71.7 1.0 11.3 7.5 6.3 13.5 86 57.3 4,896 5.3 10.7 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications			6.0.71.7 1.04 11.3.7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)			6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4

Spain

	Countr	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	43	46	1,127
Urban population (% of total)	77	77	78
GNI per capita, World Bank Atlas method (\$)	25,450	31,750	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.2	0.7	0.6
Adult literacy rate (% ages 15 and older)	98	98	98
Gross primary, secondary, tertiary school enrollment (%)	96	100	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	2.7	2.6
Telecommunications investment (% of revenue)	19.6	14.1	16.3
Sector performance			
Access	44.8	43.9	44.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	98.4	112.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	11.60	22.86	26.54
Households with a computer (%)	55.0	68.7	77.1
Households with Internet access at home (%)	35.5	59.1	74.0
Usage	33.3	33.1	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	93.1	110.9	
Individuals using the Internet (%)	47.9	65.8	73.6
Quality	41.5	05.0	75.0
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	80.8	98.8	96.0
International Internet bandwidth (bit/s per Internet user)	5,798a		60,241
Affordability	0,100	00,011	00,211
Fixed-telephone sub-basket (\$ a month)		27.0	21.2
Mobile-cellular sub-basket (\$ a month)		53.2	22.3
Fixed-broadband sub-basket (\$ a month)		26.2	26.3
Trade		20.2	20.0
ICT goods exports (% of total goods exports)	3.7	2.2	10.4
ICT goods imports (% of total goods imports)	7.2	6.7	12.5
ICT service exports (% of total service exports)	5.4	6.9	8.1
Applications	0.1	0.0	0.1
E-government Web measure index (0-1, 1=highest presence)	0.72	0.76	0.68
Secure Internet servers (per million people)	81.7		1,068.0
portion (por minion poopio)	01.7		_,000.0

Sri Lanka

South Asia	Lower m	wer middle incom		
			Lower middle-	
	Countr	Country data		
	2005	2010	group 2010	
Economic and social context				
Population (millions)	20	21	2,519	
Urban population (% of total)	15	15	39	
GNI per capita, World Bank Atlas method (\$)	1,190	2,240	1,623	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.3	6.1	6.4	
Adult literacy rate (% ages 15 and older)	91	91	71	
Gross primary, secondary, tertiary school enrollment (%)	66			
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		Р		
Mobile telephone service	С	Р		
Internet service	С	Р		
Foreign ownership (percentage allowed)	100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	С		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	2.5		3.4	
Telecommunications investment (% of revenue)	12.2			
Sector performance Access Fived talenhone subscriptions (per 100 people)	6.3	17 2	6.0	
Access Fixed-telephone subscriptions (per 100 people)	6.3	17.2		
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	16.9	83.2	71.7	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	16.9 0.11 ^a	83.2 1.09	71.7 1.04	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	16.9 0.11 ^a 5.0	83.2 1.09 12.3	71.7 1.04 a 11.3	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	16.9 0.11 ^a	83.2 1.09	71.7 1.04 a 11.3	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	16.9 0.11 ^a 5.0 1.1 ^a	83.2 1.09 12.3 5.9	71.7 1.04 11.3 7.5 6.1	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	16.9 0.11 ^a 5.0 1.1 ^a 74.7	83.2 1.09 12.3 5.9 89.5	71.7 1.04 a 11.3 a 7.5 6.1	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	16.9 0.11 ^a 5.0 1.1 ^a	83.2 1.09 12.3 5.9	71.7 1.04 a 11.3 a 7.5 6.1	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	16.9 0.11 ^a 5.0 1.1 ^a 74.7 1.8 ^a	83.2 1.09 12.3 5.9 89.5 12.0	71.7 1.04 a 11.3 a 7.5 6.1	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	16.9 0.11 ^a 5.0 1.1 ^a 74.7 1.8 ^a	83.2 1.09 12.3 5.9 89.5 12.0	71.7 1.04 11.3 11.3 7.5 6.1 13.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	16.9 0.11 ^a 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6	71.7 1.04 11.3 11.3 7.5 6.1 13.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	16.9 0.11 ^a 5.0 1.1 ^a 74.7 1.8 ^a	83.2 1.09 12.3 5.9 89.5 12.0	71.7 1.04 11.3 11.3 7.5 6.1 13.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	16.9 0.11 ^a 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316	71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	16.9 0.11 ^a 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316	71.7 1.04 11.3 11.3 7.5 6.1 13.5 86 57.1 4,896	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	16.9 0.11 ^a 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3 1,403	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316 4.9 1.9	71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	16.9 0.11 ^a 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3 1,403	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316	71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	16.9 0.11a 5.0 1.1a 74.7 1.8a 85 18.3 1,403	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316 4.9 1.9 5.0	71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	16.9 0.11a 5.0 1.1a 74.7 1.8a 85 18.3 1,403	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316 4.9 1.9 5.0	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	16.9 0.11a 5.0 1.1a 74.7 1.8a 85 18.3 1,403 1.1 4.9	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316 4.9 5.0 0.5 2.9	71.7 1.04 11.3 11.3 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	16.9 0.11a 5.0 1.1a 74.7 1.8a 85 18.3 1,403	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316 4.9 1.9 5.0	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	16.9 0.11 ^a 5.0 1.1 ^a 74.7 1.8 ^a 85 18.3 1,403 1.1 4.9 8.2	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316 4.9 5.0 0.5 2.9	71.7 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	16.9 0.11a 5.0 1.1a 74.7 1.8a 85 18.3 1,403 1.1 4.9	83.2 1.09 12.3 5.9 89.5 12.0 98 76.6 3,316 4.9 5.0 0.5 2.9	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9	

St. Kitts and Nevis

Latin America & Caribbean	Jpper m	pper middle i			oer middle incom	
			Upper middle- income			
	Countr	Country data				
	2005	2010	2010			
Economic and social context						
Population (millions)	0.05	0.05	,			
Urban population (% of total)	32	32				
GNI per capita, World Bank Atlas method (\$)	10,130	11,830				
GDP growth, 2000–05 and 2005–10 (avg. annual %)	3.2	1.6				
Adult literacy rate (% ages 15 and older)						
Gross primary, secondary, tertiary school enrollment (%)		75	73			
Sector structure						
Separate telecommunications/ICT regulator	No	No				
Status of main fixed-line operator	Private	Private				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)						
Mobile telephone service						
Internet service						
Foreign ownership (percentage allowed)						
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No				
Sector efficiency and capacity						
Telecommunications revenue (% of GDP)	5.7	7.2	2.4			
Telecommunications investment (% of revenue)	25.3	7.9				
Sector performance						
Access	44.0	27.0	21.5			
Fixed-telephone subscriptions (per 100 people)	41.3	37.8 152.7				
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	103.7 13.22	27.86				
	13.22 17.3a	47.0				
Households with a computer (%) Households with Internet access at home (%)			05.			
Usage			23			
Int'l. voice traffic, total (minutes/subscription/month)	58.2	63.5	3.2			
Domestic mobile traffic (minutes/subscription/month)	102.1	32.3				
Individuals using the Internet (%)	34.0a	76.0				
Quality						
Population covered by a mobile-cellular network (%)			. 99			
Fixed (wired)-broadband subscriptions (% of total Internet)			69.0			
International Internet bandwidth (bit/s per Internet user)		67,796				
Affordability		,	-,			
Fixed-telephone sub-basket (\$ a month)		11.6	9.8			
Mobile-cellular sub-basket (\$ a month)		15.2				
Fixed-broadband sub-basket (\$ a month)		36.7				
Trade						
ICT goods exports (% of total goods exports)	2.4	26.5	15.5			
ICT goods imports (% of total goods imports)	8.3	4.5				
ICT service exports (% of total service exports)	0.5	7.0				
Applications						
E-government Web measure index (0-1, 1=highest presence)	0.48	0.18	0.46			
Secure Internet servers (per million people)	1.016.8	1,221.5				
cocaro internot convers (por minion people)	1,010.0	1,221.0	20			

St. Lucia

	lpper middle incor		ncome
		Country data	
	Countr	y data	group
	2005	2010	2010
Economic and social context			
Population (millions)	0.16	0.17	,
Urban population (% of total)	28	28	
GNI per capita, World Bank Atlas method (\$)	5,130	6,560	- ,
GDP growth, 2000–05 and 2005–10 (avg. annual %)	2.4	2.7	6.3
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	73	73	93 73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	С	
Mobile telephone service	C	С	
Internet service	М		
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	8.8 9.4	7.5 15.2	
,			
Sector performance			
Sector performance Access	22.2	04.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	23.6	21.5	
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	63.9	114.2	84.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	63.9 4.24 ^a	114.2 11.58	84.3 8.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	63.9 4.24 ^a 	114.2 11.58 	84.3 8.3 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	63.9 4.24 ^a	114.2 11.58	84.3 8.3 35.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	63.9 4.24 ^a 	114.2 11.58 	84.3 8.34 35.2 25.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	63.9 4.24 ^a 	114.2 11.58 	84.3 8.34 35.2 25.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	63.9 4.24 ^a 	114.2 11.58 	84.3 8.34 35.2 25.3 3.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	63.9 4.24 ^a 52.9 64.7	114.2 11.58 30.0 101.8	84.3 8.34 35.2 25.3 3.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	63.9 4.24 ^a 52.9 64.7	114.2 11.58 30.0 101.8	84.3 8.34 35.2 25.3 3.2 137.9 34.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	63.9 4.24 ^a 52.9 64.7 21.6	114.2 11.58 30.0 101.8 40.0	84.3 8.34 35.2 25.3 3.3 137.3 34.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	63.9 4.24 ^a 52.9 64.7 21.6	114.2 11.58 30.0 101.8 40.0	84.3 8.3 35.2 25.3 3.2 37.9 34.3 99.69.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	63.9 4.24 ^a 52.9 64.7 21.6 80 102.6	114.2 11.58 30.0 101.8 40.0 100 98.4	84.3 8.34 35.2 25.3 3.2 137.9 99 69.0 9,037
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	63.9 4.24 ^a 52.9 64.7 21.6 80 102.6	114.2 11.58 30.0 101.8 40.0 100 98.4 57,383	84.3 8.34 35.2 25.3 3.2 137.9 9.9 69.0 9,033
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	63.9 4.24 ^a 52.9 64.7 21.6 80 102.6 	114.2 11.58 30.0 101.8 40.0 100 98.4 57,383	84.3 8.34 35.2 25.3 3.2 137.9 69.6 9,033 9.8 14.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	63.9 4.24ª 52.9 64.7 21.6 80 102.6 	114.2 11.58 30.0 101.8 40.0 100 98.4 57,383	84.3 8.34 35.2 25.3 3.2 137.9 69.0 9,03 9.8 14.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	63.9 4.24ª 52.9 64.7 21.6 80 102.6 	114.2 11.58 30.0 101.8 40.0 100 98.4 57,383	84.: 8.34 35.: 25.: 3.: 137.9 69.0 9,03 9.8 14.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	63.9 4.24ª 52.9 64.7 21.6 80 102.6 	114.2 11.58 30.0 101.8 40.0 100 98.4 57,383 11.6 22.2 29.3	84.3 8.34 35.2 25.3 3.3 34.3 9.6 69.0 9,03 9.1 14.5 17.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	63.9 4.24ª 52.9 64.7 21.6 80 102.6 	114.2 11.58 30.0 101.8 40.0 100 98.4 57,383 11.6 22.2 29.3	84.3 8.34 35.2 25.3 137.9 9.69.0 9.03 9.8 14.5 15.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	63.9 4.24ª 52.9 64.7 21.6 80 102.6 4.8 5.5	114.2 11.58 30.0 101.8 40.0 100 98.4 57,383 11.6 22.2 29.3 4.2 3.9	84.3 8.34 35.2 25.3 137.9 9.69.0 9.03 9.8 14.5 15.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	63.9 4.24ª 52.9 64.7 21.6 80 102.6 4.8 5.5	114.2 11.58 30.0 101.8 40.0 100 98.4 57,383 11.6 22.2 29.3 4.2 3.9	84.3 8.34 35.2 25.3 3.2 137.9 9.6 69.0 9,037 14.9 15.9 15.0 5.8

St. Martin (French part)

	Country data inc		High- income group
	2005	2010	2010
Economic and social context			
Population (millions)	0.03	0.03	1,127
Urban population (% of total)			78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)			44.4
Mobile-cellular telephone subscriptions (per 100 people)			110.8
Fixed (wired)-broadband subscriptions (per 100 people)			26.54
Households with a computer (%)			77.1
Households with Internet access at home (%)			74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)			73.6
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			96.0
International Internet bandwidth (bit/s per Internet user)			60,241
Affordability			
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)			26.3
Trade			
ICT goods exports (% of total goods exports)			10.4
ICT goods imports (% of total goods imports)			12.5
ICT service exports (% of total service exports)			8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)			1,068.0

St. Vincent & Grenadines

Latin America & Caribbean	Jpper m	pper middle inco		
			Upper middle-	
	Country	Country data		
	2005	2010	group 2010	
Economic and social context				
Population (millions)	0.11	0.11	2,452	
Urban population (% of total)	46	48	57	
GNI per capita, World Bank Atlas method (\$)	4,980	6,320	5,886	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.8	2.1	6.3	
Adult literacy rate (% ages 15 and older)			93	
Gross primary, secondary, tertiary school enrollment (%)	78		73	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Private	Private		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	С	С		
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (percentage allowed)	100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	9.3	7.9	2.4	
Telecommunications investment (% of revenue)				
Sector performance Access Fixed telephone subscriptions (per 100 people)	20.7	19.9	21.5	
Fixed-telephone subscriptions (per 100 people)	64.9	120.5	84.3	
Mobile-cellular telephone subscriptions (per 100 people)	3.35	11.43	8.34	
Fixed (wired)-broadband subscriptions (per 100 people)				
Households with a computer (%)	16.8a	57.1		
Households with Internet access at home (%) Usage	14.1	44.3	25.1	
Int'l. voice traffic, total (minutes/subscription/month)			3.2	
Domestic mobile traffic (minutes/subscription/month)			137.9	
Individuals using the Internet (%)	9.2	69.6	34.1	
			0.0	
Quality	100	100	90	
Population covered by a mobile-cellular network (%)	100	100		
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	97.9	69.0	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)			69.0	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	71.7 2,999	97.9 395	69.0 9,037	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	71.7 2,999 	97.9 395 10.9	69.0 9,037 9.8	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	71.7 2,999 	97.9 395 10.9 14.8	69.0 9,037 9.8 14.9	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	71.7 2,999 	97.9 395 10.9	69.0 9,037 9.8 14.9	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	71.7 2,999 	97.9 395 10.9 14.8 33.6	9,037 9,037 9.8 14.9 17.6	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	71.7 2,999 	97.9 395 10.9 14.8 33.6	69.0 9,037 9.8 14.9 17.6	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	71.7 2,999 1.4 6.4	97.9 395 10.9 14.8 33.6	69.0 9,037 9.8 14.9 17.6 15.5	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	71.7 2,999 	97.9 395 10.9 14.8 33.6	69.0 9,037 9.8 14.9 17.6 15.5	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	71.7 2,999 1.4 6.4	97.9 395 10.9 14.8 33.6 1.4 3.7 6.6	69.0 9,037 9.8 14.9 17.6 15.5 15.0 5.8	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	71.7 2,999 1.4 6.4	97.9 395 10.9 14.8 33.6	9,037 9,88 14.9 17.6 15.5 15.0 5.8 0.46 20.1	

Sudan

Sub-Saharan Africa L	ower middle incom		
		Country data	
			income group
	2005	2010	2010
Economic and social context			
Population (millions)	38	44	,
Jrban population (% of total)	41	45	
GNI per capita, World Bank Atlas method (\$)	610	1,270	,
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.2	7.2	
Adult literacy rate (% ages 15 and older)			71
Gross primary, secondary, tertiary school enrollment (%)	35		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
evel of competition (competition, partial comp., monopoly)			
International gateway(s)	M	Р	
Mobile telephone service	Р	P	
Internet service	Р	C	
Foreign ownership (percentage allowed)	74	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
elecommunications revenue (% of GDP)	3.8	3.2	3.4
elecommunications investment (% of revenue)	384.0	418.3	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	1.5	0.9	a 6.0
Access	1.5 4.8ª	0.9 40.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)			a 71.7
Access Fixed-telephone subscriptions (per 100 people)	4.8a	40.5	a 71.7 a 1.04
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	4.8 ^a 0.00	40.5 0.38	a 71.7 a 1.04 a 11.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	4.8 ^a 0.00 3.0	40.5 0.38 5.2	a 71.7 a 1.04 a 11.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	4.8 ^a 0.00 3.0	40.5 0.38 5.2	71.7 1.04 11.3 7.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	4.8 ^a 0.00 3.0 0.7	40.5 0.38 5.2 1.3	71.7 1.04 11.3 7.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month)	4.8a 0.00 3.0 0.7	40.5 0.38 5.2 1.3	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	4.8a 0.00 3.0 0.7 5.6 81.1	40.5 0.38 5.2 1.3 3.8 65.3	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	4.8a 0.00 3.0 0.7 5.6 81.1	40.5 0.38 5.2 1.3 3.8 65.3	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	4.8a 0.00 3.0 0.7 5.6 81.1 1.3	40.5 0.38 5.2 1.3 3.8 65.3 10.2	71.7 1.04 11.3 7.5 6.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Titl. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	4.8a 0.00 3.0 0.7 5.6 81.1 1.3	40.5 0.38 5.2 1.3 3.8 65.3 10.2	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Wasge Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	4.8 ^a 0.00 3.0 0.7 5.6 81.1 1.3 34 4.7	40.5 0.38 5.2 1.3 3.8 65.3 10.2	71.7 a 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Wasge nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	4.8 ^a 0.00 3.0 0.7 5.6 81.1 1.3 34 4.7 407	40.5 0.38 5.2 1.3 3.8 65.3 10.2 66 	71.7 1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.04
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	4.8 ^a 0.00 3.0 0.7 5.6 81.1 1.3 34 4.7 407	40.5 0.38 5.2 1.3 3.8 65.3 10.2 66 431	71.7 1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.04
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	4.8° 0.00 3.0 0.7 5.6 81.1 1.3 34 4.7 407	40.5 0.38 5.2 1.3 3.8 65.3 10.2 66 431 3.9 3.4 23.3	71.7 a 71
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-telephone sub-basket (\$ a month) Fixed-telephone sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	4.8° 0.00 3.0 0.7 5.6 81.1 1.3 34 4.7 407	40.5 0.38 5.2 1.3 3.8 65.3 10.2 66 431 3.9 3.4 23.3	11.7 11.04 11.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage The computer (%) Domestic mobile traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-code supports (% of total goods exports) CT goods exports (% of total goods imports)	4.8° 0.00 3.0 0.7 5.6 81.1 1.3 34 4.7 407 0.0 4.2	40.5 0.38 5.2 1.3 3.8 65.3 10.2 66 431 3.9 3.4 23.3	71.7 a 71.7 a 1.04 a 11.3 a 7.5 a 13.5 a 6.1 a 13.5 a 57.1 a 4,896 a 5.3 a 10.7 a 32.4 a 8.3 a 10.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-cellular sub-basket (\$ a month)	4.8° 0.00 3.0 0.7 5.6 81.1 1.3 34 4.7 407	40.5 0.38 5.2 1.3 3.8 65.3 10.2 66 431 3.9 3.4 23.3	71.7 a 71.7 a 1.04 a 11.3 a 7.5 a 13.5 a 6.1 a 13.5 a 57.1 a 4,896 a 5.3 a 10.7 a 32.4 a 8.3 a 10.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-fordability Cit goods exports (% of total goods exports) CT goods imports (% of total goods imports) CT service exports (% of total service exports) Applications	4.8° 0.00 3.0 0.7 5.6 81.1 1.3 34 4.7 407 0.0 4.2 5.4	40.5 0.38 5.2 1.3 3.8 65.3 10.2 66 431 3.9 3.4 23.3 0.0 3.3 25.8	71.7 a 71
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-cellular sub-basket (\$ a month)	4.8° 0.00 3.0 0.7 5.6 81.1 1.3 34 4.7 407 0.0 4.2	40.5 0.38 5.2 1.3 3.8 65.3 10.2 66 431 3.9 3.4 23.3	a 71.7 a 1.04 a 11.3 a 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9

Suriname

middle i	income
	Upper middle-
try data	income
2010	
0.53	53 2,452
1 76	76 5
5,920	20 5,880
4.3	1.3 6.3
95	95 93
)	73
s Yes	/es
e Public	olic
1 C	С
1 C	С
C	С
) 40	40
o No	No
7	2.4
2 16.2	6.2 21.5
169.6	9.6a 84.3
2.99	99 8.3
3a 29.9	9.9a 35.
2a 11.9	1.9a 25.
	3
67.6	7.6 137.
31.6	1.6 34.
	99
67.9	7.9 69.
3,098	98 9,03
. 2.2	2.2 9.8
40.4	
10.1	
. 42.1	2.1 17.0
0.1	1 15
2 0.1 3 3.0	
	-
	5.8
0.10	16 0.4
5 0.16 0 34.0	
)	

Swaziland

Sub-Saharan Africa	ower middle incom		
	Country	y data	income group
	2005	2010	2010
Economic and social context			
Population (millions)	1	1	2,519
Urban population (% of total)	24	26	39
GNI per capita, World Bank Atlas method (\$)	2,600	2,930	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	2.4	6.4
Adult literacy rate (% ages 15 and older)	80	87	71
Gross primary, secondary, tertiary school enrollment (%)	61		
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	М	
Internet service	С		
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	l) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	12.4	4.2	3.4
Telecommunications investment (% of revenue)	13.2	22.4	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	3.2	3.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	18.1	61.8	a 71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.14	1.04
Households with a computer (%)	8.6a	10.7	a 11.3
Households with Internet access at home (%) Usage	3.0a	3.6	a 7.5
Int'l. voice traffic, total (minutes/subscription/month)		7.0	6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	3.7a	8.0	a 13.5
Quality Population covered by a mobile-cellular network (%)	90	91	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	6.8	
International Internet bandwidth (bit/s per Internet user)	24a	578	
Affordability	21	010	1,000
Fixed-telephone sub-basket (\$ a month)		5.0	5.3
Mobile-cellular sub-basket (\$ a month)		24.2	10.7
Fixed-broadband sub-basket (\$ a month)		874.6	32.4
Trade			
ICT goods exports (% of total goods exports)	0.2		8.3
ICT goods imports (% of total goods imports)	2.2		10.4
ICT service exports (% of total service exports)	4.7	9.0	27.9
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.35	0.14	0.31
Secure Internet servers (per million people)	2.0	15.0	3.4
. , , ,			

Sweden

	Countr	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	9	9	1,127
Urban population (% of total)	84	85	78
GNI per capita, World Bank Atlas method (\$)	42,920	50,100	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.8	0.8	0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	95	92	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	С	
Mobile telephone service	C	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	1.6	2.6
Telecommunications investment (% of revenue)	17.8	17.8	16.3
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	62.4	52.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	100.8	116.1	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	27.93	31.85	26.54
Households with a computer (%)	80.0	89.5	77.1
Households with Internet access at home (%)	72.5	88.3	74.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	90.8	124.3	70.0
Individuals using the Internet (%)	84.8	90.0	73.6
Quality Deputation accorded by a makile collular naturals (%)	99	99	100
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	76.7	92.4	96.0
International Internet bandwidth (bit/s per Internet user)		236,919	
Affordability	20,300	230,313	00,241
Fixed-telephone sub-basket (\$ a month)		25.5	21.2
Mobile-cellular sub-basket (\$ a month)		17.2	22.3
Fixed-broadband sub-basket (\$ a month)		34.5	26.3
Trade			
ICT goods exports (% of total goods exports)	11.2	9.8	10.4
ICT goods imports (% of total goods imports)	11.1	11.3	12.5
ICT service exports (% of total service exports)	9.7	13.9	8.1
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.92	0.84	0.68
Secure Internet servers (per million people)	331.2	1,455.3	1,068.0

Switzerland

	Countr	Country data		Hiş inco ountry data	
	2005	2010	group 2010		
Economic and social context					
Population (millions)	7	8	1,127		
Urban population (% of total)	73	74	78		
GNI per capita, World Bank Atlas method (\$)	56,870	71,520	38,746		
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.2	1.8	0.6		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)	85	86	94		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	С			
Mobile telephone service	Р	С			
Internet service	С	С			
Foreign ownership (percentage allowed)	100	100			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	3.5	3.2	2.6		
Telecommunications investment (% of revenue)	12.6	12.2	16.3		
Sector performance					
Access	69.5	57.1	44.4		
Fixed-telephone subscriptions (per 100 people)	92.2	124.3	110.8		
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	22.51	37.94	26.54		
Households with a computer (%)	76.5	86.9°			
Households with Internet access at home (%)	67.0a	86.4			
Usage	67.0	00.4	14.0		
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)	57.6	91.9			
Individuals using the Internet (%)	70.1	83.9	73.6		
Quality	70.1	03.3	13.0		
Population covered by a mobile-cellular network (%)	100	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	64.6	97.1	96.0		
International Internet bandwidth (bit/s per Internet user)		155,512			
Affordability	15,145	155,512	00,241		
Fixed-telephone sub-basket (\$ a month)		29.4	21.2		
Mobile-cellular sub-basket (\$ a month)		57.0	22.3		
Fixed-broadband sub-basket (\$ a month)		32.7	26.3		
Trade		52.1	20.5		
ICT goods exports (% of total goods exports)	2.6	1.6	10.4		
ICT goods imports (% of total goods imports)	7.4	5.9	12.5		
ICT service exports (% of total service exports)		5.5	8.1		
Applications			0.1		
E-government Web measure index (0-1, 1=highest presence)	0.76	0.67	0.68		
Secure Internet servers (per million people)	472.8	2,153.1			
Coours internet servers (per minituri people)	712.0	۷,100.1	1,000.0		

Syrian Arab Republic

Middle East & North Africa	Lower m	ower middle incon		
	Countr	y data	income group	
	2005	2010	2010	
Economic and social context				
Population (millions)	18	20	,	
Urban population (% of total)	53	55		
GNI per capita, World Bank Atlas method (\$)	1,500	2,750	,	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	4.7	5.0		
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	81 66	84		
——————————————————————————————————————	00			
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)				
Mobile telephone service	P	P)	
Internet service	P	P)	
Foreign ownership (percentage allowed)	100	100		
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	2.6	11.7	3.4	
Telecommunications investment (% of revenue)	7.5	15.4	!	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	15.7	19.9	6.0	
Mobile-cellular telephone subscriptions (per 100 people)	16.0	57.8	71.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.01a	0.33	1.04	
Households with a computer (%)	28.0	40.4	a 11.3	
Households with Internet access at home (%)	26.0	35.2	a 7.5	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)	13.6	11.7		
Domestic mobile traffic (minutes/subscription/month)	130.2	0.1		
Individuals using the Internet (%)	5.6	20.7	13.5	
Quality				
Population covered by a mobile-cellular network (%)	92	98		
Fixed (wired)-broadband subscriptions (% of total Internet)	1.3	6.9		
International Internet bandwidth (bit/s per Internet user) Affordability	328ª	1,357	4,896	
Fixed-telephone sub-basket (\$ a month)		1.3	5.3	
Mobile-cellular sub-basket (\$ a month)		19.9	10.7	
Fixed-broadband sub-basket (\$ a month)		21.6	32.4	
Trade				
ICT goods exports (% of total goods exports)	0.0	0.0	8.3	
ICT goods imports (% of total goods imports)	3.3	1.1	10.4	
ICT service exports (% of total service exports)	6.4	1.9	27.9	
Applications				
E-government Web measure index (0-1, 1=highest presence)	0.36	0.23	0.31	
Secure Internet servers (per million people)	0.1	0.2	3.4	
Secure Internet servers (per million people)	0.1	0.2		

Tajikistan

Europe & Central Asia

Low income

Country data		group
2005	2010	2010
6	7	796
26	27	28
340	800	530
10.1	6.9	5.7
99	100	61
72	72	
No	No	
Mixed	Mixed	
No	Α	
2.9		
71.4		
4.3	5.3	1.1
4.1	86.4	33.3
0.06	0.07	0.05
1.0a	2.9	2.8
0.1	0.2	1.6
7.3		
0.3	11.6	5.7
2.2		
104a		1,737
	0.9	8.8
	1.8	13.0
	362.5	54.6
9.3	37.0	
0.32	0.24	0.20
	6 26 340 10.1 999 72 No Mixed No Mixed	6 7 26 27 340 800 10.1 6.9 99 100 72 72 No No Mixed Mixed

Tanzania

Sub-Saharan Africa Low income

	Country data		Low- income
•	2005	2010	group 2010
Economic and social context			
Population (millions)	39	45	796
Urban population (% of total)	24	26	28
GNI per capita, World Bank Atlas method (\$)	390	540	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.1	6.9	5.7
Adult literacy rate (% ages 15 and older)	69	73	61
Gross primary, secondary, tertiary school enrollment (%)	51		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	М	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	51	51	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.4	0.4	
Mobile-cellular telephone subscriptions (per 100 people)	7.6	46.8	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	
Households with a computer (%)	2.1a	2.6	
Households with Internet access at home (%)	0.5 ^a	0.7	a 1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	3.2	1.2	
Domestic mobile traffic (minutes/subscription/month)	7.1	56.7	
Individuals using the Internet (%) Quality	4.3a	11.0	5.7
Population covered by a mobile-cellular network (%)	45	85	
Fixed (wired)-broadband subscriptions (% of total Internet)	1.6	0.6	
International Internet bandwidth (bit/s per Internet user)	60a	701	1,737
Affordability			, -
Fixed-telephone sub-basket (\$ a month)		8.8	8.8
Mobile-cellular sub-basket (\$ a month)		9.7	13.0
Fixed-broadband sub-basket (\$ a month)		20.8	54.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.4	
ICT goods imports (% of total goods imports)	5.8	3.8	
ICT service exports (% of total service exports)	2.7	2.1	
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.29	0.35	0.20
Secure Internet servers (per million people)	0.1	0.5	
			2.0

Thailand

	Jpper m	iddle i	ncome
	Country	Country data	
	2005	2010	group 2010
Economic and social context		2010	2010
Population (millions)	67	69	2.452
Urban population (% of total)	32	34	, -
GNI per capita, World Bank Atlas method (\$)	2,560	4,150	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	5.5	3.0	
Adult literacy rate (% ages 15 and older)	94	0.0	
Gross primary, secondary, tertiary school enrollment (%)	72	72	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	C	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	20	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2		2.4
Telecommunications investment (% of revenue)	10.0		
Sector performance Access Fixed-telephone subscriptions (per 100 people)	10.5	10.0	21.5
Mobile-cellular telephone subscriptions (per 100 people)	46.7	103.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.16a	4.61	
Households with a computer (%)	15.5	22.8	
Households with Internet access at home (%)	7.2ª	11.4	
Usage		11.	2011
Int'l. voice traffic, total (minutes/subscription/month)			3.2
Domestic mobile traffic (minutes/subscription/month)		21.5	137.9
Individuals using the Internet (%)	15.0	21.2	
Quality			
Population covered by a mobile-cellular network (%)	26		99
Fixed (wired)-broadband subscriptions (% of total Internet)	70.3		69.0
International Internet bandwidth (bit/s per Internet user)	679	10,829	9,037
Affordability			
Fixed-telephone sub-basket (\$ a month)		8.8	9.8
Mabile collular out booket (\$ a ==========		8.7	14.9
Mobile-cellular sub-basket (\$ a month)		18.9	17.6
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			
·			
Fixed-broadband sub-basket (\$ a month)	23.4	18.9	15.5
Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	23.4 17.4	18.9 14.2	
Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)			15.0
Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	17.4	14.2	15.0
Fixed-broadband sub-basket (\$ a month) Trade	17.4	14.2	15.0 5.8

Timor-Leste

East Asia & Pacific L	ower m	wer middle ii			er middle incor	
			Lower middle-			
	Countr		income			
	2005	2010	group 2010			
Economic and social context						
Population (millions)	1	1	2,519			
Urban population (% of total)	26	28	39			
GNI per capita, World Bank Atlas method (\$)	730	2,220	1,623			
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.5	6.9	6.4			
Adult literacy rate (% ages 15 and older)	51		71			
Gross primary, secondary, tertiary school enrollment (%)		71				
Sector structure						
Separate telecommunications/ICT regulator	No	No				
Status of main fixed-line operator						
Level of competition (competition, partial comp., monopoly)						
International gateway(s)						
Mobile telephone service						
Internet service						
Foreign ownership (percentage allowed)						
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В				
Sector efficiency and capacity						
	5.2	8.1	3.4			
Telecommunications revenue (% of GDP)	5.2	0.1	J.4			
Telecommunications investment (% of revenue)	16.9	28.6				
Telecommunications investment (% of revenue) Sector performance Access						
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	16.9	28.6	a 6.0			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.2 3.3	0.3	6.0 71.7			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	16.9	28.6	6.0 71.7 1.04			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.2 3.3 0.00	0.3 ¹ 53.4 ¹ 0.04 ¹	6.0 71.7 1.04 11.3			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.2 3.3 0.00	0.3 53.4 0.04	6.0 71.7 1.04 11.3			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.2 3.3 0.00	0.3 ¹ 53.4 ¹ 0.04 ¹	6.0 3 71.7 3 1.04 11.3 7.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.2 3.3 0.00 	0.3 ³ 53.4 ⁴ 0.04 ⁴	6.0 3 71.7 3 1.04 11.3 7.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.2 3.3 0.00 	0.3 ¹ 53.4 ¹ 0.04 ¹	6.0 3 71.7 3 1.04 11.3 7.5 6.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.2 3.3 0.00 20.0 70.6	28.6 0.3 53.4 0.04 	6.0 3 71.7 3 1.04 11.3 7.5 6.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.2 3.3 0.00 20.0 70.6	28.6 0.3 53.4 0.04 	6.0 3 71.7 1.02 11.3 7.5 6.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.2 3.3 0.00 20.0 70.6 0.1	28.6 0.3 53.4 0.04 36.8 0.2	6.0 1.0 1.3 7.5 6.3 13.5 86			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.2 3.3 0.00 20.0 70.6 0.1	28.6 0.3 53.4 0.04 36.8 0.2	6.03 6.03 71.7.5 1.04 11.3 7.5 6.1 13.5 86 57.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	0.2 3.3 0.00 20.0 70.6 0.1	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9	6.03 6.03 71.7.5 1.04 11.3 7.5 6.1 13.5 86 57.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.2 3.3 0.00 20.0 70.6 0.1	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9	6.0 3 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.2 3.3 0.00 20.0 70.6 0.1 50 3.4 4,997	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9 15,214	6.0 11.3 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.2 3.3 0.00 20.0 70.6 0.1 50 3.4 4,997	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9 15,214 17.3	6.0 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	0.2 3.3 0.00 20.0 70.6 0.1 50 3.4 4,997	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9 15,214 17.3 16.1	6.0 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.2 3.3 0.00 20.0 70.6 0.1 50 3.4 4,997	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9 15,214 17.3 16.1	6.6 3 71.7 1.0 ² 11.3 7.5 6.1 57.1 4,896 5.3 10.7 32.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	0.2 3.3 0.00 20.0 70.6 0.1 50 3.4 4,997	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9 15,214 17.3 16.1 99.0	6.6 71.7 1.0 ² 11.3 7.5 6.1 86 57.1 4,896 5.3 10.7 32.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.2 3.3 0.00 20.0 70.6 0.1 50 3.4 4,997 	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9 15,214 17.3 16.1 99.0	6.0.6 a 6.0.6 a 71.7 a 11.3 a 13.5 a 10.7 a 13.5 a 10.7 a			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.2 3.3 0.00 20.0 70.6 0.1 50 3.4 4,997 	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9 15,214 17.3 16.1 99.0	6.0.6 a 6.0.6 a 71.7 a 11.3 a 13.5 a 10.7 a 13.5 a 10.7 a			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	0.2 3.3 0.00 20.0 70.6 0.1 50 3.4 4,997 	28.6 0.3 53.4 0.04 36.8 0.2 69 42.9 15,214 17.3 16.1 99.0	6.0 3 6.0 3 71.7 1.04 11.3 7.5 6.1 86 57.1			



Low-

Sub-Saharan	Africa	Low	income

	Countr	v data	Low- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	5	6	796
Urban population (% of total)	40	43	28
GNI per capita, World Bank Atlas method (\$)	340	490	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.5	2.9	5.7
Adult literacy rate (% ages 15 and older)	57		61
Gross primary, secondary, tertiary school enrollment (%)	63		
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	Р	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (percentage allowed)	70-100	70-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.3	9.5	
Telecommunications investment (% of revenue)	34.7	15.3	
Sector performance			
Access	1.2	2.5	1.1
Fixed-telephone subscriptions (per 100 people)	8.0	3.5 40.7	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.06	
Households with a computer (%)	2.0	3.7	
Households with Internet access at home (%)	0.8	1.3	
Usage	0.0	1.5	1.0
Int'l. voice traffic, total (minutes/subscription/month)	22.5	8.5	
Domestic mobile traffic (minutes/subscription/month)	22.0	22.2	
Individuals using the Internet (%)	4.0a	5.4	
Quality Population covered by a mobile-cellular network (%)	85	75	
Fixed (wired)-broadband subscriptions (% of total Internet)	1.9	6.4	
International Internet bandwidth (bit/s per Internet user)	66	4,280	
Affordability	00	4,200	1,737
Fixed-telephone sub-basket (\$ a month)		11.0	8.8
Mobile-cellular sub-basket (\$ a month)		19.9	13.0
Fixed-broadband sub-basket (\$ a month)		165.6	54.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	
ICT goods imports (% of total goods imports)	3.9	5.1	
ICT service exports (% of total service exports)	6.9	18.6	
Applications E-government Web measure index (0-1, 1=highest presence)	0.22	0.14	0.20
Secure Internet servers (per million people)	0.4	2.1	
Section internet control (per million people)	0.1	2.1	0.0

Tonga

East Asia & Pacific L		wer middle incom		
			Lower middle-	
	Countr	y data	income group	
	2005	2010	2010	
Economic and social context				
Population (millions)	0.10	0.10	2,519	
Urban population (% of total)	24	25	39	
GNI per capita, World Bank Atlas method (\$)	2,470	3,290	1,623	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.1	0.4	6.4	
Adult literacy rate (% ages 15 and older)	99		71	
Gross primary, secondary, tertiary school enrollment (%)	83			
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		С		
Mobile telephone service		С		
Internet service	Р	С		
Foreign ownership (percentage allowed)		100		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	С		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance				
• • •				
Telecommunications investment (% of revenue) Sector performance				
Telecommunications investment (% of revenue) Sector performance Access			a 6.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	13.6	29.8	a 6.0 a 71.7	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	13.6 29.6ª	29.8 52.2	a 6.0 a 71.7 a 1.04	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	13.6 29.6 ^a 0.64	29.8 52.2 0.96	a 6.0 a 71.7 a 1.04	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	13.6 29.6 ^a 0.64 	29.8 52.2 0.96 	a 6.0 a 71.7 a 1.04 11.3 7.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	13.6 29.6 ^a 0.64 	29.8 52.2 0.96 	a 6.0 a 71.7 a 1.04 11.3 7.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	13.6 29.6 ^a 0.64 	29.8 52.2 0.96 	6.0 71.7 1.04 11.3 7.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	13.6 29.6 ^a 0.64 	29.8 52.2 0.96 	6.0 71.7 1.04 11.3 7.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	13.6 29.6a 0.64 4.9a	29.8 52.2 0.96 	6.0 1.04 11.3 7.5 6.1 13.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	13.6 29.6 ^a 0.64 4.9 ^a	29.8 52.2 0.96 12.0	6.0 3 6.0 71.7 1.04 11.3 7.5 6.1 13.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	13.6 29.6a 0.64 4.9a	29.8 52.2 0.96 	6.0 6.0 71.7 7.5 6.1 6.1 86 57.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0	29.8 52.2 0.96 12.0	6.0 6.0 71.7 7.5 6.1 6.1 86 57.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0	29.8 52.2 0.96 12.0	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a	29.8 52.2 0.96 12.0	6.0 11.3 7.5 6.1 13.5 86 57.1 4,896	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a	29.8 52.2 0.96 12.0 16.2 4,004	6.0.0 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a	29.8 52.2 0.96 12.0 16.2 4,004 6.4	6.0.0 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a	29.8 52.2 0.96 12.0 16.2 4,004 6.4	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a	29.8 52.2 0.96 12.0 16.2 4,004 6.4 11.0 54.1	6.0 71.7 1.04 11.3 7.5 6.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	13.6 29.6a 0.64 4.9a 70 37.0 404a	29.8 52.2 0.96 12.0 16.2 4,004 6.4 11.0 54.1	6.0 a 71.7 1.04 11.3 7.5 6.1 86 57.1 4,896 5.3 10.7 32.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a 	29.8 52.2 0.96 12.0 16.2 4,004 6.4 11.0 54.1 0.0 6.4	6.0 a 71.7 1.04 11.3 7.5 6.1 86 57.1 4,896 5.3 10.7 32.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a 	29.8 52.2 0.96 12.0 16.2 4,004 6.4 11.0 54.1 0.0 6.4	71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9	

Trinidad and Tobago

	Country	Country data		Country data		Country data		Country data	Country data	High- income
	2005	2010	group 2010							
Economic and social context										
Population (millions)	1	1	1,127							
Urban population (% of total)	12	14	78							
GNI per capita, World Bank Atlas method (\$)	10,880	15,380	38,746							
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.7	2.7	0.6							
Adult literacy rate (% ages 15 and older)	98	99	98							
Gross primary, secondary, tertiary school enrollment (%)	64		94							
Sector structure										
Separate telecommunications/ICT regulator	Yes	Yes								
Status of main fixed-line operator	Mixed	Mixed								
Level of competition (competition, partial comp., monopoly)										
International gateway(s)	M									
Mobile telephone service	M	Р								
Internet service	С	Р								
Foreign ownership (percentage allowed)	100	100								
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No								
Sector efficiency and capacity										
Telecommunications revenue (% of GDP)	2.4	2.8	2.6							
Telecommunications investment (% of revenue)		692.1	16.3							
Sector performance Access										
Fixed-telephone subscriptions (per 100 people)	24.5	21.9	44.4							
Mobile-cellular telephone subscriptions (per 100 people)	70.3	141.2	110.8							
Fixed (wired)-broadband subscriptions (per 100 people)	0.82	10.81	26.54							
Households with a computer (%)	31.0	53.1								
Households with Internet access at home (%)	17.0	19.8								
Usage	17.0	13.0	74.0							
Int'l. voice traffic, total (minutes/subscription/month)	27.0									
Domestic mobile traffic (minutes/subscription/month)	272.8	225.6								
Individuals using the Internet (%)	29.0a	48.5	73.6							
Quality	20.0	10.0	10.0							
Population covered by a mobile-cellular network (%)	100	100	100							
Fixed (wired)-broadband subscriptions (% of total Internet)	16.6	84.8	96.0							
International Internet bandwidth (bit/s per Internet user)	1,286	17,842	60,241							
Affordability	1,200	11,012	00,2.1							
Fixed-telephone sub-basket (\$ a month)		19.5	21.2							
Mobile-cellular sub-basket (\$ a month)		12.1	22.3							
Fixed-broadband sub-basket (\$ a month)		12.5	26.3							
Trade		12.0	20.0							
ICT goods exports (% of total goods exports)	0.2	0.2	10.4							
ICT goods imports (% of total goods imports)	4.0	3.0	12.5							
ICT service exports (% of total service exports)	4.0		8.1							
Applications			0.1							
E-government Web measure index (0-1, 1=highest presence)	0.53	0.48	0.68							
Secure Internet servers (per million people)	21.3	85.4								
Cookie internet correte (per million people)	21.0	55.4	1,000.0							

Turkey

	opper ii	oper middle ir			per middle inc	
			Upper middle-			
	Countr	Country data				
	2005 2		group 2010			
Economic and social context						
Population (millions)	68	73	2,452			
Urban population (% of total)	67	70	5			
GNI per capita, World Bank Atlas method (\$)	6,480	9,890	5,886			
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.2	2.3	6.3			
Adult literacy rate (% ages 15 and older)	88	91	93			
Gross primary, secondary, tertiary school enrollment (%)	72	76	73			
Sector structure						
Separate telecommunications/ICT regulator	Yes	Yes				
Status of main fixed-line operator	Mixed	Mixed				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)	С					
Mobile telephone service	Р					
Internet service	С	С				
Foreign ownership (percentage allowed)	100	100				
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	No				
Sector efficiency and capacity						
	2.6	2.0	2.			
releconfinulications revenue (% of GDP)		2.0				
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	11.0	17.3				
Telecommunications investment (% of revenue)						
Telecommunications investment (% of revenue) Sector performance Access	11.0	17.3	21.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	27.9	17.3 22.3	21.84.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	27.9 64.0	22.3 84.9	21.84.3 83.3			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	27.9 64.0 2.33	22.3 84.9 9.73	21. 84. 8.3 35.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	27.9 64.0 2.33 12.0 7.7	22.3 84.9 9.73 44.2	21. 84. 8.3 35. 25.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	27.9 64.0 2.33 12.0 7.7	22.3 84.9 9.73 44.2 41.6	21.4 84.4 8.3 35.2 25.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	27.9 64.0 2.33 12.0 7.7	22.3 84.9 9.73 44.2 41.6	21.4 84.3 35.4 25.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	27.9 64.0 2.33 12.0 7.7 3.9 68.3	22.3 84.9 9.73 44.2 41.6 7.9 169.7	21.4 84.3 35.4 25.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	27.9 64.0 2.33 12.0 7.7 3.9 68.3	22.3 84.9 9.73 44.2 41.6 7.9 169.7	21. 84. 8.3 35. 25. 3. 137.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5	22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8	21. 84. 8.3 35. 25. 3. 137. 34.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8	21. 84. 8.3 35. 25. 3. 137. 34.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5 96 70.6 2,772	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8 100 98.0 19,087	21. 84. 8.3 35. 25. 3. 137. 34. 9 69. 9,03			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5 96 70.6 2,772	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8 100 98.0 19,087	21 84 8.3. 35 25. 3 137 34. 9.69.03			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5 96 70.6 2,772	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8 100 98.0 19,087 16.8 43.9	21 84 8.3 35 25 3 137 34 9 9,03			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5 96 70.6 2,772	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8 100 98.0 19,087	21 84 8.3 35 25 3 137 34 9 9,03			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5 96 70.6 2,772	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8 100 98.0 19,087 16.8 43.9	21 84 8.3. 35 25. 3 137 34. 9. 69 9,03			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5 96 70.6 2,772	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8 100 98.0 19,087 16.8 43.9 19.2	21. 84. 8.3 35. 25. 3. 137. 34. 9 69. 9,03 9. 14. 17.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5 96 70.6 2,772	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8 100 98.0 19,087 16.8 43.9 19.2	21 84 8.3. 35 25. 3 137 34. 9. 69 9,03 14 17.			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5 96 70.6 2,772 4.4 6.1	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8 100 98.0 19,087 16.8 43.9 19.2	21.! 84.: 8.3 35.: 25.: 3.: 137.! 34.: 9.69.0 9,03 14.5 15.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	27.9 64.0 2.33 12.0 7.7 3.9 68.3 15.5 96 70.6 2,772 4.4 6.1	17.3 22.3 84.9 9.73 44.2 41.6 7.9 169.7 39.8 100 98.0 19,087 16.8 43.9 19.2	21 84 8.3. 35 25. 3 137 34. 9.69 9,03 9 14 17 15 15 5			

Turkmenistan

Europe & Central Asia	Lower m	iddle i	ncome
			Lower middle-
	Countr	y data	income group
	2005	2010	2010
Economic and social context			
Population (millions)	5	5	2,519
Urban population (% of total)	47	50	39
GNI per capita, World Bank Atlas method (\$)	1,650	3,790	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	16.7	10.8	6.4
Adult literacy rate (% ages 15 and older)		100	71
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5		3.4
Telecommunications investment (% of revenue)			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	8.4	10.3	6.0
Mobile-cellular telephone subscriptions (per 100 people)	2.2a	63.4	
Fixed (wired)-broadband subscriptions (per 100 people)		0.01	
Households with a computer (%)	 1.9ª	12.0	
	0.9a	7.0	
Households with Internet access at home (%) Usage	0.9-	7.0	- 1.0
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)	1.02	2.2	
Individuals using the Internet (%)	1.0a	2.2	a 13.5
Quality	1.4		0.0
Population covered by a mobile-cellular network (%)	14		
Fixed (wired)-broadband subscriptions (% of total Internet)	1 0052	2.510	57.1
International Internet bandwidth (bit/s per Internet user)	1,605ª	3,516	4,896
Affordability			
Fixed-telephone sub-basket (\$ a month)			
Mobile-cellular sub-basket (\$ a month)			
Fixed-broadband sub-basket (\$ a month)			32.4
Trade			
ICT goods exports (% of total goods exports)			8.3
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			27.9
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.33	0.19	
Cooura Internet compare (nor million needle)		0.0	2 /

3.4

0.2

Secure Internet servers (per million people)

Turks and Caicos Islands

	Countr	Country data		Country data		Country data	
•	2005	2010	group 2010				
Economic and social context							
Population (millions)	0.03	0.04	1,127				
Urban population (% of total)	90	93	78				
GNI per capita, World Bank Atlas method (\$)			38,746				
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6				
Adult literacy rate (% ages 15 and older)			98				
Gross primary, secondary, tertiary school enrollment (%)	72		94				
Sector structure							
Separate telecommunications/ICT regulator							
Status of main fixed-line operator							
Level of competition (competition, partial comp., monopoly)							
International gateway(s)							
Mobile telephone service							
Internet service							
Foreign ownership (percentage allowed)							
$\label{eq:Reg.} \textit{Reg. treatment of VoIP (banned, closed, no framework, allowed)}$							
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)			2.6				
Telecommunications investment (% of revenue)			16.3				
Sector performance Access Fixed-telephone subscriptions (per 100 people)			44.4				
Mobile-cellular telephone subscriptions (per 100 people)			110.8				
Fixed (wired)-broadband subscriptions (per 100 people)			26.54				
Households with a computer (%)			77.1				
Households with Internet access at home (%)			74.0				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)							
Individuals using the Internet (%)			73.6				
Quality							
Population covered by a mobile-cellular network (%)			100				
Fixed (wired)-broadband subscriptions (% of total Internet)			96.0				
International Internet bandwidth (bit/s per Internet user)			60,241				
Affordability			21.2				
Fixed-telephone sub-basket (\$ a month)							
Mobile-cellular sub-basket (\$ a month)			22.3				
Fixed-broadband sub-basket (\$ a month) Trade			26.3				
	10		10.4				
ICT goods exports (% of total goods exports)	4.0						
ICT goods imports (% of total goods imports)	4.6						
ICT service exports (% of total service exports) Applications			8.1				
••			0.60				
E-government Web measure index (0-1, 1=highest presence) Secure Internet servers (per million people)		4EO 4	0.68				
Secure internet servers (her minion heather)		409.4	1,000.0				

Tunisia

Middle East & North Africa	Upper m	iddle i	ncome
			Upper middle- income
		Country data	
	2005	2010	2010
Economic and social context	40	4.4	0.450
Population (millions)	10 65	11 67	, -
Urban population (% of total) GNI per capita, <i>World Bank Atla</i> s method (\$)	3,200	4,160	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	3,200 4.4	4,100	
Adult literacy rate (% ages 15 and older)	4.4 74	78	
Gross primary, secondary, tertiary school enrollment (%)	78	78	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		Р	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)		3-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed	I) C	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.9	
Telecommunications investment (% of revenue)	21.7	15.9	٠.
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.7	12.3	21.5
Mobile-cellular telephone subscriptions (per 100 people)	57.3	106.0	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.18	4.60	
Households with a computer (%)	7.2	17.0	
Households with Internet access at home (%)	2.1	7.7	^a 25.1
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	7.1	5.8	
Domestic mobile traffic (minutes/subscription/month)	35.5	61.7	
Individuals using the Internet (%)	9.7	36.8	34.1
Quality		400	
Population covered by a mobile-cellular network (%)	98	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	88.7	
International Internet bandwidth (bit/s per Internet user)	784	13,275	9,037
Affordability		2.5	
Fixed-telephone sub-basket (\$ a month)		2.5	
Mobile-cellular sub-basket (\$ a month)		10.0	
Fixed-broadband sub-basket (\$ a month) Trade		10.5	17.6
ICT goods exports (% of total goods exports)	2.0	6.5	15.5
	4.6	6.3	
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	1.6	5.9	
Applications	1.0	5.9	0.0
E-government Web measure index (0-1, 1=highest presence)	0.35	0.48	0.46
Secure Internet servers (per million people)	1.4	19.3	
Secure internet servers (her million heahle)	1.4	19.3	20.1

Tuvalu

Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$)	2005 0.01	y data 2010	Lower middle- income
Population (millions) Urban population (% of total) GNI per capita, <i>World Bank Atla</i> s method (\$)	2005		
Population (millions) Urban population (% of total) GNI per capita, <i>World Bank Atlas</i> method (\$)		2010	group
Population (millions) Urban population (% of total) GNI per capita, <i>World Bank Atla</i> s method (\$)	0.04		2010
Urban population (% of total) GNI per capita, World Bank Atlas method (\$)		0.04	0.540
GNI per capita, World Bank Atlas method (\$)	48	0.01 50	,
	3,780		
	1.3	4,760 1.9	,
GDP growth, 2000–05 and 2005–10 (avg. annual %) Adult literacy rate (% ages 15 and older)	1.5	1.5	74
Gross primary, secondary, tertiary school enrollment (%)			
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М		
Internet service	М	М	
Foreign ownership (percentage allowed)	40-70	40-70	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i)		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			3.4
Telecommunications investment (% of revenue)			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	9.2	16.5	
Mobile-cellular telephone subscriptions (per 100 people)	13.4 1.55	25.4	
Fixed (wired)-broadband subscriptions (per 100 people)		3.26	44.0
Households with a computer (%) Households with Internet access at home (%)			7.5
Usage			1.5
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)	2.9		
Individuals using the Internet (%)	10.0	25.0	
Quality	10.0	20.0	10.0
Population covered by a mobile-cellular network (%)	13		86
Fixed (wired)-broadband subscriptions (% of total Internet)	28.8		57.1
International Internet bandwidth (bit/s per Internet user) Affordability	3,073	2,442	4,896
Fixed-telephone sub-basket (\$ a month)			5.3
Mobile-cellular sub-basket (\$ a month)			40.7
Fixed-broadband sub-basket (\$ a month)			00.4
Trade			
ICT goods exports (% of total goods exports)	7.3		8.3
ICT goods imports (% of total goods imports)	6.1	2.1	10.4
ICT service exports (% of total service exports)			27.9
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.05	0.31
r-Rosemment ssen measure macy (n-1, 1-mgnest biesence)		102.2	3.4

Uganda

Sub-Saharan Africa Low income

	Country	Country data		Country data		Country data	Country data in	Low- income
•	2005	2010	group 2010					
Economic and social context								
Population (millions)	28	33	796					
Urban population (% of total)	13	13	28					
GNI per capita, World Bank Atlas method (\$)	300	500	530					
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.9	8.1	5.7					
Adult literacy rate (% ages 15 and older)	68	73	61					
Gross primary, secondary, tertiary school enrollment (%)	65	69						
Sector structure								
Separate telecommunications/ICT regulator	Yes	Yes						
Status of main fixed-line operator	Mixed	Mixed						
Level of competition (competition, partial comp., monopoly)								
International gateway(s)	Р	С						
Mobile telephone service	Р	С						
Internet service	С	С						
Foreign ownership (percentage allowed)	100	100						
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	А						
Sector efficiency and capacity								
Telecommunications revenue (% of GDP)	3.1	4.3						
Telecommunications investment (% of revenue)	23.4	26.5						
Sector performance Access								
Fixed-telephone subscriptions (per 100 people)	0.3	1.0	1.1					
Mobile-cellular telephone subscriptions (per 100 people)	4.6	38.4						
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.16						
Households with a computer (%)	0.00 0.8a	2.1						
Households with Internet access at home (%)	0.1a	0.4						
Usage	0.1	0.4	1.0					
Int'l. voice traffic, total (minutes/subscription/month)								
Domestic mobile traffic (minutes/subscription/month)	119.4	51.4						
Individuals using the Internet (%)	1.7	12.5						
Quality	1.7	12.0	0.1					
Population covered by a mobile-cellular network (%)	70	100						
Fixed (wired)-broadband subscriptions (% of total Internet)	8.9	40.9						
International Internet bandwidth (bit/s per Internet user)	122	864						
Affordability			2,.0.					
Fixed-telephone sub-basket (\$ a month)		8.8	8.8					
Mobile-cellular sub-basket (\$ a month)		12.2						
Fixed-broadband sub-basket (\$ a month)		13.8	54.6					
Trade								
ICT goods exports (% of total goods exports)	2.0	5.7						
ICT goods imports (% of total goods imports)	7.5	7.4						
ICT service exports (% of total service exports)	9.7	5.2						
Applications	٠	0.2						
E-government Web measure index (0-1, 1=highest presence)	0.31	0.29	0.20					
Secure Internet servers (per million people)	0.0	1.5	0.8					
(par poopto)	0.0	2.0	0.0					

Ukraine

	.ower III	iddle i	ncome
			Lower middle-
	Countr	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	47	46	2,519
Urban population (% of total)	68	68	39
GNI per capita, World Bank Atlas method (\$)	1,540	3,000	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.0	0.3	6.4
Adult literacy rate (% ages 15 and older)	99	100	71
Gross primary, secondary, tertiary school enrollment (%)	88	92	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	С	C	
Internet service		C	
Foreign ownership (percentage allowed)		100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.9	4.0	3.4
Telecommunications investment (% of revenue)	32.8	13.6	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	32.8	28.5	6.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)		28.5 118.6	6.0 71.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	24.9	28.5	6.0 71.7 1.04
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	24.9 64.0	28.5 118.6 6.50 30.7	6.0 71.7 1.04 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	24.9 64.0 0.28	28.5 118.6 6.50	6.0 71.7 1.04 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	24.9 64.0 0.28 11.5	28.5 118.6 6.50 30.7	6.0 71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	24.9 64.0 0.28 11.5 3.0	28.5 118.6 6.50 30.7 20.7	6.0 71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	24.9 64.0 0.28 11.5 3.0	28.5 118.6 6.50 30.7 20.7	6.0 71.7 1.04 11.3 7.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	24.9 64.0 0.28 11.5 3.0 	28.5 118.6 6.50 30.7 20.7	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	24.9 64.0 0.28 11.5 3.0 3.7	28.5 118.6 6.50 30.7 20.7 45.0	6.0 71.7 1.04 11.3 7.5 6.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	24.9 64.0 0.28 11.5 3.0 3.7	28.5 118.6 6.50 30.7 20.7 45.0	6.0 71.7 1.04 11.3 7.5 6.1 13.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	24.9 64.0 0.28 11.5 3.0 3.7	28.5 118.6 6.50 30.7 20.7 45.0	6.0 71.7 1.04 11.3 7.5 6.1 13.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	24.9 64.0 0.28 11.5 3.0 3.7	28.5 118.6 6.50 30.7 20.7 45.0	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	24.9 64.0 0.28 11.5 3.0 3.7 96 3.5 463 ^a	28.5 118.6 6.50 30.7 20.7 45.0 100 80.7 5,867	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	24.9 64.0 0.28 11.5 3.0 3.7 96 3.5 463 ^a	28.5 118.6 6.50 30.7 20.7 45.0 100 80.7 5,867	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	24.9 64.0 0.28 11.5 3.0 3.7 96 3.5 463 ^a	28.5 118.6 6.50 30.7 20.7 45.0 100 80.7 5,867	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	24.9 64.0 0.28 11.5 3.0 3.7 96 3.5 463 ^a	28.5 118.6 6.50 30.7 20.7 45.0 100 80.7 5,867	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	24.9 64.0 0.28 11.5 3.0 3.7 96 3.5 463 ^a	28.5 118.6 6.50 30.7 20.7 45.0 100 80.7 5,867 3.0 7.5	6.0 71.7 1.02 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	24.9 64.0 0.28 11.5 3.0 3.7 96 3.5 463 ^a 	28.5 118.6 6.50 30.7 20.7 45.0 100 80.7 5,867 3.0 7.5 7.6	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	24.9 64.0 0.28 11.5 3.0 3.7 96 3.5 463a 0.5 4.0	28.5 118.6 6.50 30.7 20.7 45.0 100 80.7 5,867 3.0 7.5 7.6	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	24.9 64.0 0.28 11.5 3.0 3.7 96 3.5 463a 0.5 4.0	28.5 118.6 6.50 30.7 20.7 45.0 100 80.7 5,867 3.0 7.5 7.6	6.0 71.7 1.04 11.3 7.5 6.1 13.5 86 57.1 4,896 5.3 10.7 32.4 8.3 10.4 27.9

United Arab Emirates

	Country data		High- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	4	8	1,127
Urban population (% of total)	78	78	78
GNI per capita, World Bank Atlas method (\$)	42,280	41,930	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.8	2.8	0.6
Adult literacy rate (% ages 15 and older)	90		98
Gross primary, secondary, tertiary school enrollment (%)	67		94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	P	
Mobile telephone service	P	P	
Internet service	P	Р	
Foreign ownership (percentage allowed)		49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	3.6	2.6
Telecommunications investment (% of revenue)	9.8	26.4	16.3
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	30.4	19.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	111.4	145.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	3.18	10.47	26.54
Households with a computer (%)	36.5a	76.0	77.1
Households with Internet access at home (%)	30.4a	65.0	74.0
Usage	00.1	00.0	7 1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		128.0	
Individuals using the Internet (%)	40.0a	78.0	73.6
Quality	1010		
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	24.5	57.2	96.0
International Internet bandwidth (bit/s per Internet user)	3,142	17,938	
Affordability	-,	,	,
Fixed-telephone sub-basket (\$ a month)		4.1	21.2
Mobile-cellular sub-basket (\$ a month)		8.6	22.3
Fixed-broadband sub-basket (\$ a month)		40.6	26.3
Trade			
ICT goods exports (% of total goods exports)	4.3	2.0	10.4
ICT goods imports (% of total goods imports)	8.1	4.5	12.5
ICT service exports (% of total service exports)			8.1
Applications	••		
E-government Web measure index (0-1, 1=highest presence)	0.63	0.86	0.68
Secure Internet servers (per million people)	54.8		1,068.0
(F			,

United Kingdom

	Country data		Country data		High- income group
	2005	2010	2010		
Economic and social context					
Population (millions)	60	62	1,127		
Urban population (% of total)	90	90	78		
GNI per capita, World Bank Atlas method (\$)	38,850	38,200	38,746		
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.9	0.1	0.6		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)	92	90	94		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Private	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service	С	С			
Internet service	С				
Foreign ownership (percentage allowed)	100	100			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	3.7	4.5	2.6		
Telecommunications investment (% of revenue)		8.2	16.3		
Sector performance					
Access	56.6	53.8	44.4		
Fixed-telephone subscriptions (per 100 people)	108.8	130.8	110.8		
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	16.44	31.56	26.54		
Households with a computer (%)	70.0	82.6	77.1		
Households with Internet access at home (%)	60.2	79.6	74.0		
Usage	00.2	13.0	14.0		
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)	87.6	128.0			
Individuals using the Internet (%)	70.0	85.0	73.6		
Quality					
Population covered by a mobile-cellular network (%)	99	100	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	95.4	96.0		
International Internet bandwidth (bit/s per Internet user)	52,895		60,241		
Affordability					
Fixed-telephone sub-basket (\$ a month)		21.0	21.2		
Mobile-cellular sub-basket (\$ a month)		31.0	22.3		
Fixed-broadband sub-basket (\$ a month)		24.6	26.3		
Trade					
ICT goods exports (% of total goods exports)	14.0	5.9	10.4		
ICT goods imports (% of total goods imports)	12.3	9.3	12.5		
ICT service exports (% of total service exports)	8.4	8.8	8.1		
Applications					
E-government Web measure index (0-1, 1=highest presence)	0.79	0.97	0.68		
Secure Internet servers (per million people)	466.0	1,594.3	1,068.0		

United States

	Countr	Country data		Country data		Country data	
	2005	2010	group 2010				
Economic and social context							
Population (millions)	296	309	1,127				
Urban population (% of total)	81	82	78				
GNI per capita, World Bank Atlas method (\$)	44,660	47,340	38,746				
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.5	0.4	0.6				
Adult literacy rate (% ages 15 and older)			98				
Gross primary, secondary, tertiary school enrollment (%)	94	98	94				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line operator	Private	Private					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)		C					
Mobile telephone service	С	C					
Internet service	С	C					
Foreign ownership (percentage allowed)	100	100					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	3.0	2.0	2.6				
Telecommunications investment (% of revenue)	16.9	23.8	16.3				
Sector performance Access							
Fixed-telephone subscriptions (per 100 people)	59.0	48.7	44.4				
Mobile-cellular telephone subscriptions (per 100 people)	68.6	89.9	110.8				
Fixed (wired)-broadband subscriptions (per 100 people)	17.23	27.62	26.54				
Households with a computer (%)	67.1	75.5					
Households with Internet access at home (%)	58.1a	71.6					
Usage	00.1	11.0	11.0				
Int'l. voice traffic, total (minutes/subscription/month)	20.1	19.2					
Domestic mobile traffic (minutes/subscription/month)	20.1	10.2					
Individuals using the Internet (%)	68.0ª	74.0	73.6				
Quality	00.0						
Population covered by a mobile-cellular network (%)	99	100	100				
Fixed (wired)-broadband subscriptions (% of total Internet)	90.0	96.2	96.0				
International Internet bandwidth (bit/s per Internet user)	7,217a		60,241				
Affordability	,	,	,				
Fixed-telephone sub-basket (\$ a month)		12.8	21.2				
Mobile-cellular sub-basket (\$ a month)		32.7	22.3				
Fixed-broadband sub-basket (\$ a month)		20.0	26.3				
Trade							
ICT goods exports (% of total goods exports)	14.3	10.5	10.4				
ICT goods imports (% of total goods imports)	13.7	14.2	12.5				
ICT service exports (% of total service exports)	3.3	4.6	8.1				
Applications							
E-government Web measure index (0-1, 1=highest presence)	0.86	1.00	0.68				
Secure Internet servers (per million people)	785.2	1,561.9	1,068.0				

Uruguay

Latin America & Caribbean	Jpper m	iddle i	ncome
	Countr	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	3	3	2,452
Urban population (% of total)	92	93	57
GNI per capita, World Bank Atlas method (\$)	4,740	10,230	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.0	5.8	
Adult literacy rate (% ages 15 and older)	98	98	93
Gross primary, secondary, tertiary school enrollment (%)	91	89	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	С	Р	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.1	2.4
Telecommunications investment (% of revenue)	8.0		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	30.3	28.6	21.5
Mobile-cellular telephone subscriptions (per 100 people)	34.8	131.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.46	10.91	8.34
Households with a computer (%)	21.0a	52.8	a 35.2
Households with Internet access at home (%) Usage	13.3ª	33.3	a 25.1
Int'l. voice traffic, total (minutes/subscription/month)	8.9	6.4	3.2
Domestic mobile traffic (minutes/subscription/month)	28.1	89.5	
Individuals using the Internet (%)	20.1	47.7	
Quality	20.1		0
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	98.0	
International Internet bandwidth (bit/s per Internet user) Affordability	2,397	22,988	
Fixed-telephone sub-basket (\$ a month)		13.3	9.8
Mobile-cellular sub-basket (\$ a month)		17.8	
Fixed-broadband sub-basket (\$ a month)		19.3	
Trade		10.0	11.0
ICT goods exports (% of total goods exports)	0.1	0.1	15.5
ICT goods imports (% of total goods imports)	6.3	6.4	
ICT service exports (% of total service exports)	7.9	8.2	
Applications	1.3	0.2	5.0
E-government Web measure index (0-1, 1=highest presence)	0.56	0.55	0.46
Secure Internet servers (per million people)	27.2	70.4	
Cook. Control (por million people)	۷۱.۷	10.4	20.1

Uzbekistan

	OLDONIOCAII
Europe & Central Asia	Lower middle income

			Lower middle- income
	Country 2005	y data 2010	group 2010
	2005	2010	2010
Economic and social context	00	0.0	0.540
Population (millions)	26	28	,
Urban population (% of total)	37	37	
GNI per capita, World Bank Atlas method (\$)	530 5.3	1,280 8.6	,
GDP growth, 2000–05 and 2005–10 (avg. annual %)	97	99	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	74	72	
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	:
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2		3.4
Telecommunications investment (% of revenue)	31.7		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.9	6.8	
Mobile-cellular telephone subscriptions (per 100 people)	2.8	76.3	
Fixed (wired)-broadband subscriptions (per 100 people)	0.03a	0.32	
Households with a computer (%)	1.0	4.5	
Households with Internet access at home (%)	0.5	1.3	a 7.5
Usage			0.4
Int'l. voice traffic, total (minutes/subscription/month)		4540	6.1
Domestic mobile traffic (minutes/subscription/month)		154.3	
Individuals using the Internet (%)	3.3	20.0	a 13.5
Quality Description revered by a mabile callular naturals (9/)	75	93	86
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	1.0	3.2	
International Internet bandwidth (bit/s per Internet user)	1.0	273	
Affordability	100	213	4,090
Fixed-telephone sub-basket (\$ a month)		1.1	5.3
Mobile-cellular sub-basket (\$ a month)		3.0	
Fixed-broadband sub-basket (\$ a month)		200.0	
Trade	•		
ICT goods exports (% of total goods exports)			8.3
ICT goods imports (% of total goods imports)			10.1
ICT service exports (% of total service exports)			07.0
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.41	0.50	0.31
Secure Internet servers (per million people)	0.0	0.5	
· · · · · · · · · · · · · · · · · · ·		2.70	

Vanuatu

East Asia & Pacific	Lower m	niddle i	ncome
			Lower middle- income
	Countr		group
	2005	2010	2010
Economic and social context			
Population (millions)	0.21	0.24	,
Urban population (% of total)	24	26	
GNI per capita, World Bank Atlas method (\$)	1,760	2,640	
GDP growth, 2000–05 and 2005–10 (avg. annual %) Adult literacy rate (% ages 15 and older)	1.1 78	5.3 82	
Gross primary, secondary, tertiary school enrollment (%)	63		
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	1
Mobile telephone service		С	
Internet service		P	1
Foreign ownership (percentage allowed)		60-90	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5		3.4
Telecommunications investment (% of revenue)	20.0		
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.3	2.1	a 6.0
Mobile-cellular telephone subscriptions (per 100 people)	6.0	119.0	a 71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.21	a 1.04
Households with a computer (%)	4.0	4.6	
Households with Internet access at home (%)			7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	5.1	8.0	13.5
Quality Deputing appared by a makile callular natural (9/)	20		86
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	3.7	 19.3	
International Internet bandwidth (bit/s per Internet user)	373	2,764	
Affordability	373	2,104	4,000
Fixed-telephone sub-basket (\$ a month)		41.0	5.3
Mobile-cellular sub-basket (\$ a month)		23.3	10.7
Fixed-broadband sub-basket (\$ a month)		171.0	32.4
Trade			_
ICT goods exports (% of total goods exports)	0.2		8.3
ICT goods imports (% of total goods imports)	2.8		07.0
ICT service exports (% of total service exports)			27.9
Applications	0.05	0.00	0.04
E-government Web measure index (0-1, 1=highest presence)	0.25	0.22	
Secure Internet servers (per million people)	132.6	219.9	3.4

Vonozuola

	veliezucia, nd
Latin America & Caribbean	Upper middle income

			Upper middle- income
		Country data	
	2005	2010	2010
Economic and social context			
Population (millions)	27	29	, -
Urban population (% of total)	92	94	
GNI per capita, World Bank Atlas method (\$)	4,950	11,590	,
GDP growth, 2000–05 and 2005–10 (avg. annual %)	1.5	3.7	
Adult literacy rate (% ages 15 and older)	95		
Gross primary, secondary, tertiary school enrollment (%)	76	89	73
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Public	;
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	C	;
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	3.3	
Telecommunications investment (% of revenue)	27.5	10.8	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.7	24.4	
Mobile-cellular telephone subscriptions (per 100 people)	46.9	96.2	
Fixed (wired)-broadband subscriptions (per 100 people)	1.34	5.37	
Households with a computer (%)	10.3	17.3	
Households with Internet access at home (%)	2.5	9.7	a 25.1
Usage	0.0	0.0	
Int'l. voice traffic, total (minutes/subscription/month)	6.3	3.8	
Domestic mobile traffic (minutes/subscription/month)	91.6	68.0	
Individuals using the Internet (%)	12.6	35.7	34.1
Quality	00		0.0
Population covered by a mobile-cellular network (%)	90	00.4	
Fixed (wired)-broadband subscriptions (% of total Internet)	55.9	86.4	
International Internet bandwidth (bit/s per Internet user)	399ª	6,772	a 9,037
Affordability		1 7	9.8
Fixed-telephone sub-basket (\$ a month)		1.7 22.3	
Mobile-cellular sub-basket (\$ a month)			
Fixed-broadband sub-basket (\$ a month) Trade		15.9	17.6
ICT goods exports (% of total goods exports)	0.0	0.0	15.5
ICT goods imports (% of total goods imports)	11.9	7.6	
ICT service exports (% of total service exports)	6.8	8.2	
Applications	0.0	0.2	
E-government Web measure index (0-1, 1=highest presence)	0.51	0.48	0.46
Secure Internet servers (per million people)	4.6	8.1	
occure internet servers (per million people)	4.0	0.1	20.1

Vietnam

East Asia & Pacific	Lower m	iddle i	ncome
	Countr	v data	Lower middle- income
	2005	2010	group 2010
Economic and social context			
Population (millions)	82	87	2,519
Urban population (% of total)	26	29	39
GNI per capita, World Bank Atlas method (\$)	630	1,160	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.5	6.9	
Adult literacy rate (% ages 15 and older)	90	93	71
Gross primary, secondary, tertiary school enrollment (%)	65	66	
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	C	С	
Internet service	С	С	
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowe	d) C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	7.1	3.4
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.2	18.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	11.5	175.3	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.25	4.13	1.04
Households with a computer (%)	6.3a	14.2	a 11.3
Households with Internet access at home (%)	1.5a	12.5	a 7.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.1
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	12.7	27.6	13.5
Quality			
Population covered by a mobile-cellular network (%)	70		86
Fixed (wired)-broadband subscriptions (% of total Internet)	7.2	30.6	
International Internet bandwidth (bit/s per Internet user) Affordability	341	5,552	4,896
Fixed-telephone sub-basket (\$ a month)		2.4	5.3
Mobile-cellular sub-basket (\$ a month)		5.4	
Fixed-broadband sub-basket (\$ a month)		10.5	
Trade		10.0	02.7
ICT goods exports (% of total goods exports)	2.8	5.8	8.3
ICT goods imports (% of total goods imports)	6.1	8.6	
ICT service exports (% of total service exports)	0.1	0.0	07.0
Applications			21.0
E-government Web measure index (0-1, 1=highest presence)	0.46	0.42	0.31
Secure Internet servers (per million people)	0.40	4.7	
Secure internet servers (per million people)	0.1	4.1	5.4

Virgin Islands (U.S.)

	Countr	Country data	
	2005	2010	group 2010
Economic and social context			
Population (millions)	0.11	0.11	1,127
Urban population (% of total)	94	95	78
GNI per capita, World Bank Atlas method (\$)			38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)			0.6
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (percentage allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			16.3
Sector performance			
Access	65.6a	69.5	44.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	73.4ª		110.8
Fixed (wired)-broadband subscriptions (per 100 people)	2.71	8.34	
Households with a computer (%)			77.1
Households with Internet access at home (%)			74.0
. ,			74.0
Usage Int'l. voice traffic, total (minutes/subscription/month)			
	••		
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	27.3a	27.4°	73.6
. ,	21.3	21.4	13.0
Quality			100
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)			96.0
International Internet bandwidth (bit/s per Internet user)	 1,505a		60,241
Affordability	1,505-		00,241
Fixed-telephone sub-basket (\$ a month)			21.2
Mobile-cellular sub-basket (\$ a month)			22.3
Fixed-broadband sub-basket (\$ a month)	••		26.3
Trade			20.3
ICT goods exports (% of total goods exports)			10.4
ICT goods exports (% of total goods exports)	••		12.5
ICT service exports (% of total service exports)			8.1
Applications			0.1
E-government Web measure index (0-1, 1=highest presence)			0.68
Secure Internet servers (per million people)	209.9	447.1	1,068.0
ocours internet servers (per million people)	200.0	771.1	1,000.0

West Bank and Gaza

Middle East & North Africa L	ower m	iddle i	ncome	
			Lower middle-	
	Country data		income group	
	2005	2010	2010	
Economic and social context				
Population (millions)	4	4	-,	
Urban population (% of total)	72	72		
GNI per capita, World Bank Atlas method (\$)	1,250		,	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	-0.9			
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	93 80	95 79		
Sector structure				
Separate telecommunications/ICT regulator				
Status of main fixed-line operator				
Level of competition (competition, partial comp., monopoly)				
International gateway(s)				
Mobile telephone service				
Internet service				
Foreign ownership (percentage allowed)				
Reg. treatment of VoIP (banned, closed, no framework, allowed)		A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	0.8		3.4	
Telecommunications investment (% of revenue)	5.1			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	9.5 16.0	9.4 45.8		
Fixed (wired)-broadband subscriptions (per 100 people)	0.21	70.0	4.04	
Households with a computer (%)	29.5a	52.5		
Households with Internet access at home (%) Usage	15.9	31.5		
Int'l. voice traffic, total (minutes/subscription/month)			6.1	
Domestic mobile traffic (minutes/subscription/month)				
Individuals using the Internet (%)	16.0a	37.4	a 13.5	
Quality				
Population covered by a mobile-cellular network (%)	95		86	
Fixed (wired)-broadband subscriptions (% of total Internet)	9.6		57.1	
International Internet bandwidth (bit/s per Internet user)	422		4,896	
Affordability				
Fixed-telephone sub-basket (\$ a month)			5.3	
Mobile-cellular sub-basket (\$ a month)			10.7	
Fixed-broadband sub-basket (\$ a month)			32.4	
Trade				
ICT goods exports (% of total goods exports)	0.5	0.9		
ICT goods imports (% of total goods imports)	2.3	3.2		
	9.0	6.0	27.9	
ICT service exports (% of total service exports)	9.0	0.0		
ICT service exports (% of total service exports) Applications	9.0	0.0		
ICT service exports (% of total service exports)	9.0 0.6	 4.5	0.31	

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Middle East & North Africa	Lower middle income

			Lower middle-	
	Country data		income group	
	2005	2010	2010	
Economic and social context				
Population (millions)	21	24	2,519	
Urban population (% of total)	29	32	39	
GNI per capita, World Bank Atlas method (\$)	690	1,170	,	
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.1	4.2		
Adult literacy rate (% ages 15 and older)	55	62	71	
Gross primary, secondary, tertiary school enrollment (%)	55			
Sector structure				
Separate telecommunications/ICT regulator	No	No		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	М	М		
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (percentage allowed)	0	0-100		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	1.2	3.3		
Telecommunications investment (% of revenue)	25.2	29.4		
Sector performance				
Access				
Fixed-telephone subscriptions (per 100 people)	4.4a	4.3		
Mobile-cellular telephone subscriptions (per 100 people)	11.0	46.1		
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.35		
Households with a computer (%)	1.9a	4.0		
Households with Internet access at home (%)	1.4ª	2.9	a 7.5	
Usage	447	40.4		
Int'l. voice traffic, total (minutes/subscription/month)	14.7	13.4	6.1	
Domestic mobile traffic (minutes/subscription/month)			40.5	
Individuals using the Internet (%)	1.0a	12.4	13.5	
Quality	00	0.4	0.0	
Population covered by a mobile-cellular network (%)	68	84		
Fixed (wired)-broadband subscriptions (% of total Internet)	1.4	14.4		
International Internet bandwidth (bit/s per Internet user) Affordability	28ª	1,077	4,896	
Fixed-telephone sub-basket (\$ a month)		1.1	5.3	
Mobile-cellular sub-basket (\$ a month)		8.1		
Fixed-broadband sub-basket (\$ a month)		119.2		
Trade		110.2	02	
ICT goods exports (% of total goods exports)	0.0	0.0	8.3	
ICT goods imports (% of total goods imports)	2.1	2.0		
ICT service exports (% of total service exports)		2.0	07.0	
Applications	•		27.0	
E-government Web measure index (0-1, 1=highest presence)	0.21	0.18	0.31	
Secure Internet servers (per million people)	0.1	0.4		
(Fig. 100)	0.1	0.1	0.1	

Zambia

Sub-Saharan Africa	Lower m		110011110	
			Lower	
			middle- income	
	Countr		group	
	2005	2010	2010	
Economic and social context				
Population (millions)	11	13	, -	
Urban population (% of total)	35	36		
GNI per capita, World Bank Atlas method (\$)	500	1,070	,	
GDP growth, 2000–05 and 2005–10 (avg. annual %)	4.8	6.3		
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	69 65	71 		
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	С	М		
Mobile telephone service	Р	С		
Internet service	Р	С		
Foreign ownership (percentage allowed)	60	60		
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	В		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	2.6		3.4	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	2.6 29.3		3.4	
Telecommunications investment (% of revenue) Sector performance Access	29.3			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	29.3	0.7	a 6.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	29.3 0.8 8.3	0.7 41.6	a 6.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.8 8.3 0.00	0.7 41.6 0.08	a 6. 71. 1.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.8 8.3 0.00 1.4ª	0.7 41.6 0.08 2.4	a 6. 71. 1.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.8 8.3 0.00	0.7 41.6 0.08	a 6. 71. 1.0	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.8 8.3 0.00 1.4ª	0.7 41.6 0.08 2.4	a 6. 71. 1.0 a 11.:	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.8 8.3 0.00 1.4 ^a 0.6 ^a	0.7 41.6 0.08 2.4 2.0	a 6. 71. 1.0 a 11.:	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.8 8.3 0.00 1.4 ^a 0.6 ^a	0.7 41.6 0.08 2.4 2.0	a 6.0 71. 1.00 a 11.0 a 7.0 6.	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.8 8.3 0.00 1.4 ^a 0.6 ^a	0.7 41.6 0.08 2.4 2.0	a 6.0 71. 1.00 a 11.0 a 7.0 6.	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a	0.7 41.6 0.08 2.4 2.0 	a 6 71. 1.04 11 a 7 6.	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a	0.7 41.6 0.08 2.4 2.0 10.0	a 6 71 1.00 11a 7 6 13	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8	0.7 41.6 0.08 2.4 2.0 10.0	a 6 71 1.00 11 6 13 80	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a	0.7 41.6 0.08 2.4 2.0 10.0	a 6 71 1.00 11 6 13 80	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8 67	0.7 41.6 0.08 2.4 2.0 10.0 90 59.3 382	a 6.0 71.1.0 1.0.0 a 11 6 13 81 57 4,890	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8 67	0.7 41.6 0.08 2.4 2.0 10.0 90 59.3 382 24.1	a 6.0 71.1.0 1.0.0 a 11 6 13 81 57. 4,890	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8 67	0.7 41.6 0.08 2.4 2.0 10.0 90 59.3 382	6 71 1.0 11 6 13 80 57 4,890 5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8 67	0.7 41.6 0.08 2.4 2.0 10.0 90 59.3 382 24.1 16.9	6 71 1.0 11 6 13 80 57 4,890 5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8 67	0.7 41.6 0.08 2.4 2.0 10.0 90 59.3 382 24.1 16.9	a 6.0 71. 1.0 a 11.3 a 7.1 6. 13.3 88 57. 4,89 5.1 10.	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8 67	0.7 41.6 0.08 2.4 2.0 10.0 90 59.3 382 24.1 16.9 59.3	a 6.0 71. 1.00 a 11.3 a 7.1 6. 13. 88. 57. 4,89 5.3 10. 32.	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8 67	0.7 41.6 0.08 2.4 2.0 10.0 90 59.3 382 24.1 16.9 59.3	8. 10. 8. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8 67 0.0 4.6	0.7 41.6 0.08 2.4 2.0 10.0 90 59.3 382 24.1 16.9 59.3 0.0 2.3	6.0 11.3 8.0 10.3 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixad-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	29.3 0.8 8.3 0.00 1.4 ^a 0.6 ^a 28.2 2.9 ^a 65 31.8 67 0.0 4.6	0.7 41.6 0.08 2.4 2.0 10.0 90 59.3 382 24.1 16.9 59.3 0.0 2.3	a 6.0 71.7 1.0 11.0 11.3 6.2 13.5 86 57.1 4,896 5.3 10.1 32.4	

Zimbabwe

Sub-Saharan Africa Low income

Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator	2005 13 36 440 -8.5 56 Yes Public M C C 49 B	2010 13 38 460 -3.7 92 Yes Public P P C 49	28 530 5.7 61
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	36 440 -8.5 56 Yes Public M C C 49	38 460 -3.7 92 Yes Public P	28 530 5.7 61
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	36 440 -8.5 56 Yes Public M C C 49	38 460 -3.7 92 Yes Public P	796 28 530 5.7 61
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	440 -8.5 56 Yes Public M C C 49	460 -3.7 92 Yes Public P	530 5.7 61
GDP growth, 2000-05 and 2005-10 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	-8.5 56 Yes Public M C C 49	-3.7 92 Yes Public	5.7 61
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	Yes Public M C C 49	92 Yes Public P P	61
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	Yes Public M C C C 49	Yes Public P P C	<u>.</u>
Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	Yes Public M C C C	Yes Public P P C	
Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	Public M C C C 49	Public P P C	
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	Public M C C 49	Public P P C	
Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service	M C C 49	P P C	
International gateway(s) Mobile telephone service Internet service	C C 49	P C	
Mobile telephone service Internet service	C C 49	P C	
Internet service	C 49	C	
	49		
Foreign ownership (percentage allowed)		49	
resign entresemp (percentage anonea)	В		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.6	3.0	
Mobile-cellular telephone subscriptions (per 100 people)	5.1	61.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.08	0.26	
Households with a computer (%)	2.0a	5.3	
Households with Internet access at home (%)	2.0	4.0	1.6
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		4.9	
Domestic mobile traffic (minutes/subscription/month)	51.7	36.0	
Individuals using the Internet (%) Quality	8.0ª	11.5	5.7
Population covered by a mobile-cellular network (%)	70	80	
Fixed (wired)-broadband subscriptions (% of total Internet)	10.6	27.3	
International Internet bandwidth (bit/s per Internet user)	55	300	1,737
Affordability			
Fixed-telephone sub-basket (\$ a month)		9.1	8.8
Mobile-cellular sub-basket (\$ a month)		20.5	13.0
Fixed-broadband sub-basket (\$ a month)		406.0	54.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	
ICT goods imports (% of total goods imports)	2.5	3.6	
ICT service exports (% of total service exports)			
Applications			
E-government Web measure index (0-1, 1=highest presence)	0.30	0.13	0.20
Secure Internet servers (per million people)	0.2	1.3	0.8

Notes

- a. ITU estimate.
- b. Not specified in law.
- c. No foreign ownership.
- d. No limitation for EU foreign participation.

Adult literacy rate is the percentage of people ages 15 and older who can, with understanding, read and write a short, simple statement about their everyday life. (United Nations Educational, Scientific, and Cultural Organization Institute for Statistics)

Domestic mobile-telephone traffic refers to the total number of minutes of calls made by mobile subscribers within a country (including minutes to fixed-telephone and minutes to mobile-phone subscribers). (International Telecommunication Union)

E-government Web measure index measures the level of sophistication of a government's online presence based on four stages of e-government evolution: emerging presence, enhanced presence, transactional presence, and connected presence. A value of 0 indicates the lowest presence, a value of 1 the highest. Data listed for 2010 are for 2012. (United Nations Department of Economic and Social Affairs and United Nations Public Administration Network)

Fixed-broadband sub-basket refers to the price of the monthly subscription to an entry-level fixed broadband plan. For comparability reason, the fixed broadband sub-basket is based on a monthly usage of (a minimum of) 1 Gigabyte (GB). For plans that limit the monthly amount of data transferred by including caps *below* 1 Gigabyte, the cost for additional bytes is added to the sub-basket. The minimum speed of a broadband connection is 256 kbit/s. (International Telecommunication Union)

Fixed (wired)-broadband subscriptions refers to subscriptions to high-speed access to the public Internet (a TCP/IP connection), at downstream speeds equal to, or greater than, 256 kbit/s. This includes cable modem, DSL, fibre-to-the-home/building and other fixed (wired)-broadband subscriptions. This total is measured irrespective of the method of payment. It excludes subscriptions that have access to data communications (including the Internet) via mobile-cellular networks. It excludes technologies listed under the wireless-broadband category. (International Telecommunication Union)

Fixed-telephone sub-basket refers to the monthly price charged for subscribing to the Public Switched Telephone Network (PSTN), plus the cost of 30 local calls to the same (fixed) network (15 peak and 15 off-peak calls) of three minutes each. The service refers to the traditional fixed telephone line and does not refer to, for example, prices for managed VoIP. (International Telecommunication Union)

Fixed-telephone subscriptions refers to the sum of active number of analogue fixed-telephone lines, voice-over-IP (VoIP) subscriptions, fixed wireless local loop (WLL) subscriptions, ISDN voice-channel equivalents and fixed public payphones. (International Telecommunication Union)

Foreign ownership is the maximum foreign participation or ownership permitted in facility-based and spectrum-based operators as well as in Internet Service Providers (ISPs) (as a percentage). (International Telecommunication Union)

GDP growth is the annual percentage growth rate of gross domestic product (GDP) at market prices based on constant local currency. Aggregates are based on constant 2000 U.S. dollars. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. (World Bank and Organisation for Economic Co-operation and Development)

GNI per capita, World Bank Atlas method, is gross national income (GNI) converted to U.S. dollars using the World Bank Atlas method divided by the midyear population. GNI is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. GNI, calculated in national currency, is usually converted to U.S. dollars at official exchange rates for comparisons across economies. The World Bank Atlas method is used to smooth fluctuations in prices and exchange rates. It averages the exchange rate for a given year and the two preceding years, adjusted for differences in rates of inflation between the country and the Euro area, Japan, the United Kingdom, and the United States. (World Bank)

Gross primary, secondary, and tertiary enrollment is the combined number of students enrolled in primary, secondary, and tertiary levels of education, regardless of age, as a percentage of the population of official school age for the three levels. (United Nations Educational, Scientific and Cultural Organization Institute for Statistics)

Households with a computer refers to the percentage of households with a computer at home. A computer includes: a desktop, portable or handheld computer (e.g. a personal digital assistant). It does not include equipment with some embedded computing abilities such as mobile phones or TV sets. (International Telecommunication Union)

Households with Internet access at home refers to the percentage of households with Internet access at home. Access is not assumed to be only via a computer—it may also be by mobile phone, games machine, digital TV etc. (International Telecommunication Union)

ICT goods exports and imports are goods that are intended to fulfill the function of information processing and communication by electronic means, including transmission and display, or that use electronic processing to detect, measure, or record physical phenomena or to control a physical process. They include telecommunications, audio and video, computer and related equipment; electronic components; and other information and communication technology goods. Software is excluded. Re-exports (exports of foreign goods in the same state as previously imported) are included. (United Nations Conference on Trade and Development)

ICT service exports comprise communications services (telecommunications, business network services, teleconferencing, support services, and postal services) and computer and information services (database, data processing, software design and development, maintenance and repair, and news-related service transactions). (International Monetary Fund)

International Internet bandwidth refers to the total used capacity of international Internet bandwidth, in megabits per second (Mbit/s). It is measured as the sum of used capacity of all Internet exchanges (locations where Internet traffic is exchanged) offering international bandwidth. If capacity is asymmetric (i.e. more incoming (downlink) than outgoing (uplink) capacity), then the incoming (downlink) capacity should be provided. (International Telecommunication Union)

International voice traffic, total is the sum of international incoming and outgoing telephone fixed and mobile telephone traffic (in minutes). (International Telecommunication Union)

Individuals using the Internet refers to the percentage of individuals who have used the Internet (from any location) in the last 12 months. Internet can be used via a computer, mobile phone, personal digital assistant, games machine, digital TV etc. (International Telecommunication Union)

Level of competition, international gateway, is the level of competition for international gateway(s). International gateway is any facility that provides an interface to send and receive electronic communications (i.e., voice, data and multimedia images/video) traffic between one country's domestic network facilities and those in another country. (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

Level of competition, Internet service, is the level of competition for retail Internet access service (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

Level of competition, mobile telephony service, is the level of competition for digital cellular mobile services (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

Mobile cellular and fixed-telephone subscriptions per employee are telephone subscribers (fixed-telephone plus mobile) divided by the total number of telecommunications employees. (International Telecommunication Union)

Mobile-cellular telephone subscriptions refers to the number of subscriptions to a public mobile-telephone service that provide access to the PSTN using cellular technology. The indicator includes (and is split into) the number of postpaid subscriptions, and the number of active prepaid accounts (i.e. that have been used during the last three months). The indicator applies to all mobile-cellular subscriptions that offer voice communications. It excludes subscriptions via data cards or USB modems, subscriptions to public mobile data services, private trunked mobile radio, telepoint, radio paging and telemetry services. (International Telecommunication Union)

Mobile-cellular sub-basket refers to the price of a standard basket of mobile monthly usage for 30 outgoing calls per month (on-net, off-net, to a fixed line and for peak and off-peak times) in predetermined ratios, plus 100 SMS messages. The mobile-cellular sub-basket is based on prepaid tariffs although post-paid tariffs may be used for countries where prepaid subscriptions make up less than three per cent of all mobile-cellular subscriptions. The mobile-cellular prepaid sub-basket is largely based, but does not entirely follow, the 2009 methodology of the OECD low-user basket. (International Telecommunication Union)

Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship, except for refugees not permanently settled in the country of asylum, who are generally considered part of the population of their country of origin. Data are midyear estimates. (World Bank)

Population covered by a mobile-cellular network refers to the percentage of people within range of a mobile-cellular signal, irrespective of whether they are subscribers or users or not. This is calculated by dividing the number of people within range of a mobile-cellular signal by the total population and multiplying by 100. (International Telecommunication Union)

Regulatory treatment of VoIP indicates whether the country has any regulatory treatment on Voice over Internet Protocol (VoIP), a generic term to describe the techniques used to carry voice traffic over IP. The status are categorized as banned, closed, no framework, or allowed. 'Closed' means that wholesale VoIP is permitted, but retail VoIP is banned, as well as cases where only the incumbent is licensed to provide VoIP. (B = banned, C = closed, No = no framework, A = allowed) (International Telecommunication Union)

Secure Internet servers are the number of servers using encryption technology for Internet transactions. Data listed for 2010 are for December 2011. (Netcraft)

Separate telecommunications/ICT regulator indicates whether the country has a separate telecommunications/ ICT Regulatory Authority independent in terms of finance, structure, and decision making from the operators and the sector Ministry. (International Telecommunication Union)

Status of main fixed-line telephone operator indicates whether the incumbent fixed-line operator is a public or private entity. Public refers to a fully state-owned operator, private refers to a fully private operator, and mixed refers to a partially private operator. (International Telecommunication Union)

Telecommunications revenue refers to revenue earned from retail fixed-telephone, mobile-cellular, Internet and data services offered by telecommunication operators (both network and virtual) offering services within the country. Revenue (turnover) consists of retail telecommunication service earnings (therefore excluding revenue from wholesaling activities) during the financial year under review. It is calculated as percentage of GDP. (International Telecommunication Union)

Telecommunications investment refers to the investment during the financial year in telecommunication services (including fixed, mobile and Internet services) for acquiring or upgrading property and networks. Property includes tangible assets such as plant, intellectual and non-tangible assets such as computer software. The indicator is a measure of investment in telecommunication infrastructure in the country, and includes expenditure on initial installations and additions to existing installations where the usage is expected to be over an extended period of time. It excludes expenditure on research and development (R&D), annual fees for operating licences and the use of radio spectrum. (International Telecommunication Union)

Urban population is the midyear population of areas defined as urban in each country and reported to the United Nations. (United Nations)



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