**ITU-UNESCAP-APT Capacity Building Workshop
Information Society Statistics: Core ICT Indicators
Bangkok, 6-8 November 2007**

UNCTAD Capacity Building on ICT measurement
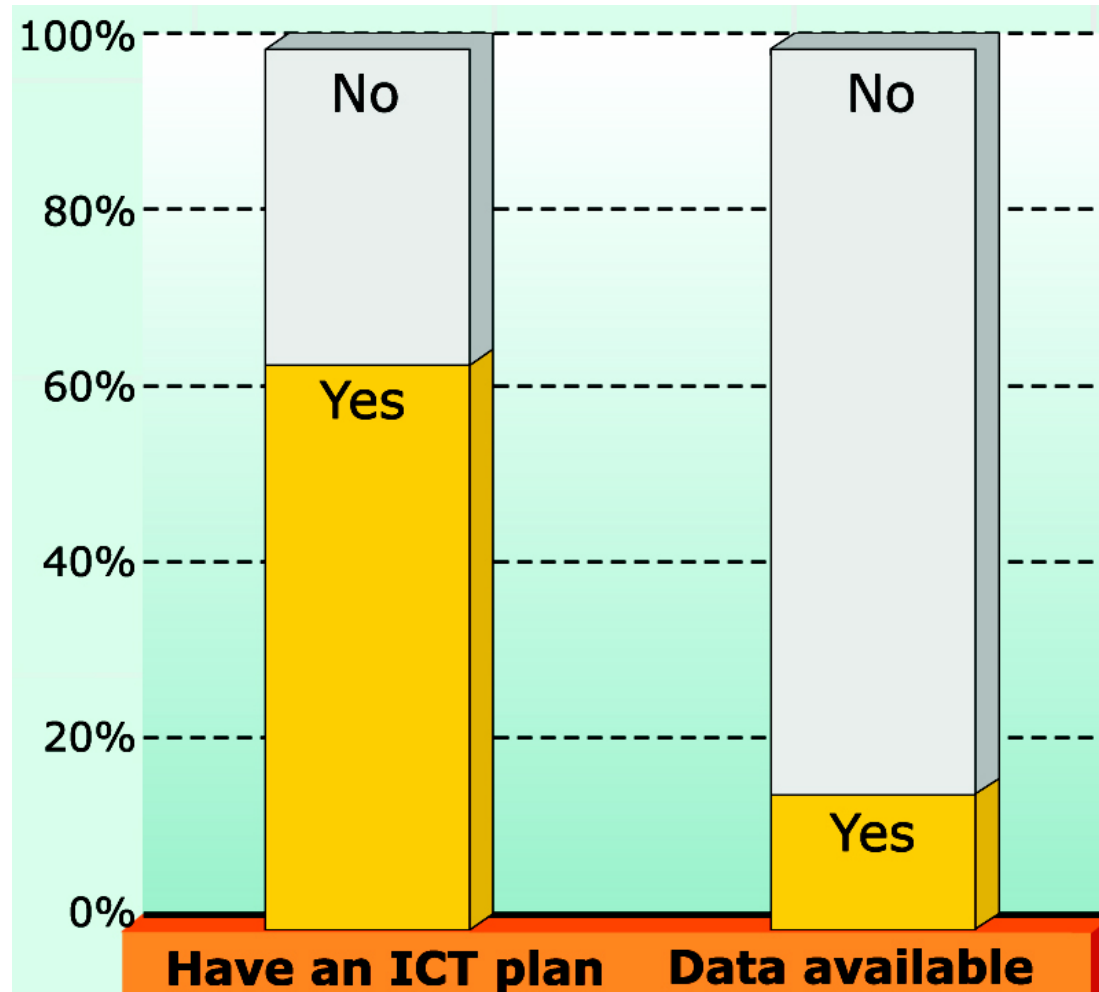

*Dr. Susan Teltscher
Chief, ICT Policy and Analysis Unit
ICT and E-Business Branch, SITE
UNCTAD*

The data gap in developing countries

Source: UNCTAD (2006)

UNCTAD technical assistance 2006-08

UNCTAD assists statistical agencies in developing countries in the production of ICT statistics via:

✓ **Advisory services** and missions to countries

✓ A technical *Manual for the production of statistics on the information economy*

✓ A specialized **training course** on ICT business statistics

✓ **Workshops** at the regional and global levels.

UNCTAD leads the Partnership Task Group on Capacity Building

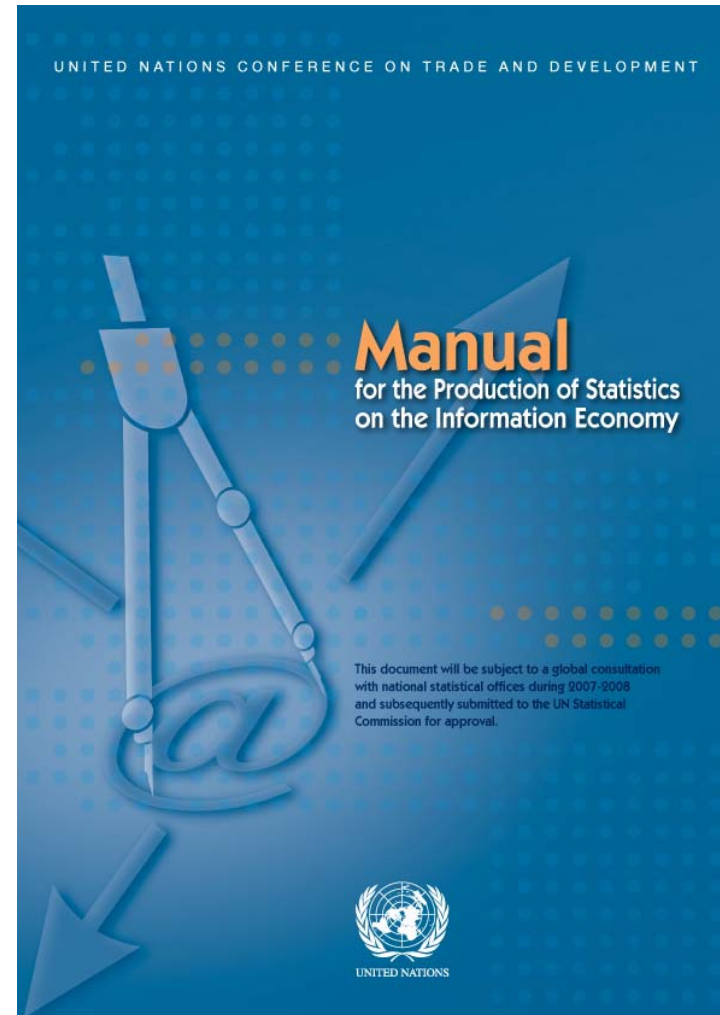PARTNERSHIP ON MEASURING ICT FOR DEVELOPMENT

UNCTAD Manual

Launch date:

3 November 2007

- 8 Chapters

- Annexes

- 175 pages

Available online:

Measuring-ict.unctad.org

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

Manual
for the Production of Statistics
on the Information Economy

This document will be subject to a global consultation
with national statistical offices during 2007-2008
and subsequently submitted to the UN Statistical
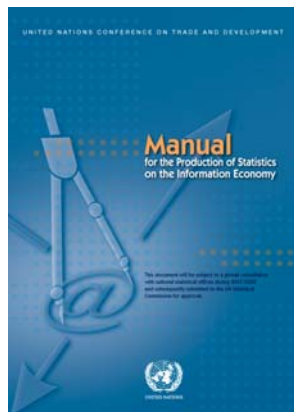Commission for approval.

UNITED NATIONS

UNCTAD Manual

Main objective: **Reference document for producers of official statistics on ICT in business**

Target audience: **Statisticians**

Content:

Concepts

Indicators

Data collection methodologies

Model questions and questionnaires

UNCTAD Manual

PART A: INTRODUCTION

Chapter 1. Objectives and overview of the Manual

Chapter 2. Background

PART B: METHODOLOGICAL ISSUES

Chapter 3. Conceptual frameworks for ICT measurement

Chapter 4. Statistical standards for indicators on the information economy

-Partnership core list of indicators
-Measuring ICT demand (use)
-Measuring the ICT sector
-Measuring trade in ICT goods

Chapter 5. Data sources and data collection methods

-Sources for business ICT use data

-Modules and stand-alone surveys

-Surveys of the ICT sector and ICT trade data

-Data collection methods and quality control

Chapter 6. Model questions and questionnaires for measuring ICT use

-Model questions for a module

-Model questions for a stand-alone survey

Chapter 7. Designing ICT business surveys and processing data

-Business surveys on the use of ICT (target population, population frames, statistical units, sample design, sample selection

-ICT sector surveys

Chapter 7. Designing ICT business surveys and processing data (cont.)

- Data processing (data editing, treatment of errors and missing data, weighting procedures, calculation of ICT indicators

Chapter 8. Dissemination

- Tabulation plan
- Dissemination of metadata at the indicator level
- Dissemination of metadata for surveys
- Metadata reports

PART C: INSTITUTIONAL ISSUES

Chapter 9. Cooperation and coordination

- Cooperation among stakeholders of the national statistical system (data providers, users, producers)
- Statistical work programmes
- International data collection and methodological work
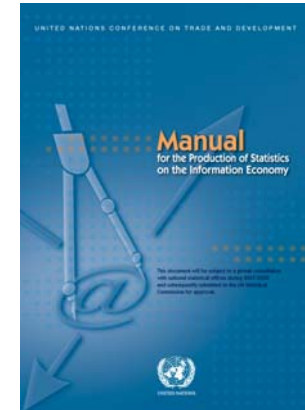- Capacity building issues

UNCTAD Manual

ANNEXES

1. UNCTAD model questionnaire for core indicators on use of ICT by businesses (2007)
2. OECD model questionnaire for ICT use by businesses (2005)
3. Eurostat questionnaire on ICT usage and e-commerce in enterprises (2007)
4. Estimation of a proportion under different sampling schemes
5. Imputation of missing data in ICT surveys
6. List of ICT goods (2003) (HS 1996 and 2002)
7. UNCTAD questionnaire (2007) to National Statistical Offices

UNCTAD Manual

« Will be subject to a global consultation with NSOs during 2007-2008 and subsequently submitted to the UN Statistical Commission for approval. «

➡️ *UNCTAD seeks comments and feedback on this Manual from member States*

➡️ *The online version of the Manual was sent to NSOs in all countries; printed copies will be released at the end of 2007*

UNCTAD Training Course

✓ For statisticians responsible for producing official statistics on the information economy

✓ Technical training on how to produce ICT statistics (data collection, data processing, dissemination)

✓ Based on UNCTAD TrainForTrade Methodology (participants' handbook, instructor's guide, tests, certificates)

✓ Five modules, face-to-face delivery over five days, possibly distance-learning option later

✓ UNCTAD Manual is basic reference material

UNCTAD Training Course

Module 1: Understanding concepts and definitions of ICT indicators

Module 2: Developing an ICT data collection strategy

Module 3: Designing an ICT in business survey

Module 4: Implementing an ICT in business survey

Module 5: Disseminating ICT data

UNCTAD Training Course

Pilot testing of training course
December 2007, Colombia
for a number of Latin American countries
CANDANE-UNCTAD-ECLAC

First delivery of training in Asia-Pacific:
4-6 February 2008
Republic of Korea
APCICT-UNCTAD-SIAP

UNCTAD country-level technical assistance

✓Partnership stocktaking of capacity building needs in developing countries 2006

✓UNCTAD follows up directly with countries that requested TA in the area of ICT business/ICT sector statistics (advisory services, training)

✓In particular, countries that plan an ICT business survey for 2008

✓Requests should be made to **emeasurement@unctad.org**

measuring-ict.unctad.org

**Joint ITU-UNESCAP-APT Capacity Building Workshop
Information Society Statistics: Core ICT Indicators
Bangkok, 6-8 November 2007**

Thank you

susan.teltscher @unctad.org
measuring-ict.unctad.org
www.unctad.org/ecommerce