

## Jointly administered registers as defined in Rec. ITU-T X.660 | ISO/IEC 9834-1, clause A.8.3

1. [Register of additional Unicode labels and secondary identifiers for root arcs](#)
2. [Register of arcs beneath the root arc with primary integer value 2](#)
3. [Register of Unicode labels \(long arcs\) from the root to nodes beneath the root arc with integer value 2](#)

Note: These registers are maintained by the [ITU-T OID Project leader](#) who is responsible of applying any change to this document. Please download [the latest version of this document](#) from the ITU web site.

(Updated: 25 April 2019)

### 1. Register of additional Unicode labels and secondary identifiers for root arcs

Initial assignments:

Root arc	Unicode label assigned to that arc	Secondary identifier(s) assigned to that arc	Authority for subordinate arcs
0	"ITU-T"	<b>itu-t</b> ( <b>ccitt</b> – see Rec. ITU-T X.660   ISO/IEC 9834-1, clause A.2.4)	Administered by ITU-T (see Rec. ITU-T X.660   ISO/IEC 9834-1, clause A.3)
1	"ISO"	<b>iso</b>	Administered by ISO (see Rec. ITU-T X.660   ISO/IEC 9834-1, clause A.4)
2	"Joint-ISO-ITU-T"	<b>joint-iso-itu-t</b> ( <b>joint-iso-ccitt</b> – see Rec. ITU-T X.660   ISO/IEC 9834-1, clause A.2.4)	Jointly-administered by ISO and ITU-T (see Rec. ITU-T X.660   ISO/IEC 9834-1, clause A.5)

Further assignments:

Root arc to which the additional Unicode label or secondary identifier is assigned	<b>0</b>
Additional secondary identifier (if any) assigned to that root arc	<b>itu-r</b>
Additional Unicode label (if any) assigned to that root arc	<b>ITU-R</b>
Contact (officer) of the international organization identified	Colin Langtry, ITU BR (Radiocommunication Bureau)
Conditions for use of the additional Unicode label and/or secondary identifier	If and only if the object being identified has an ASN.1 <b>OBJECT IDENTIFIER</b> value that begins with {0 5 x}, where x is a primary integer value assigned to a series of ITU-R Recommendations. This permits ASN.1 notations like: {itu-r(0) r-recommendation(5) br(101) ...} and <b>OID-IRI</b> notations like:

	"/ITU-R/R-Recommendation/BR/..."
Date of allocation	March 2004 by ITU-T SG 17 and Sep 2005 by ISO/IEC JTC 1/SC 6

## 2. Register of arcs beneath the root arc with primary integer value 2

Primary integer of the arc beneath arc 2	0
Additional secondary identifier (if any) assigned to that arc	<b>presentation</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Presentation layer service and protocol (Rec. ITU-T X.216)
Responsible officer for the area of joint work or the international organization	G. Taylor & C. Mahy
Date of allocation	2 Sep 1989 by ITU-T Q.26/7 and by ISO/IEC JTC 1 (projects 1.21.17.01 & 21.17.02)

Primary integer of the arc beneath arc 2	1
Additional secondary identifier (if any) assigned to that arc	<b>asn1</b>
Additional Unicode label (if any) assigned to that root arc	<b>ASN.1</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	ASN.1 standards: - Rec. ITU-T X.680   ISO/IEC 8824 series: <i>Information Technology - Abstract Syntax Notation One (ASN.1)</i> ; - Rec. ITU-T X.690   ISO/IEC 8825 series: <i>Information Technology - ASN.1 Encoding Rules</i> ; - Rec. ITU-T X.890   ISO/IEC 24824 series: <i>Information technology - Generic Applications of ASN.1</i> .
Responsible officer for the area of joint work or the international organization	G. Taylor & K. Rayner
Date of allocation	1989 by ITU-T Q.19/7 and by ISO/IEC JTC 1 (projects 1.21.17.05 & 21.17.06)

Primary integer of the arc beneath arc 2	2
Additional secondary identifier (if any) assigned to that arc	<b>association-control</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Association Control Service Element (ACSE), Rec. ITU-T X.227   ISO/IEC 8650-1
Responsible officer for the area of joint work or the international organization	J. Quigley & A. Fletcher
Date of allocation	1989 by ITU-T Q.25/7 and ISO/IEC JTC 1 (projects 1.21.22.01.02 & 21.22.02.02)

Primary integer of the arc beneath arc 2	3
Additional secondary identifier (if any) assigned to that arc	<b>reliable-transfer</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Reliable transfer service element, Rec. ITU-T X.218   ISO/IEC 9066-1 and Rec. ITU-T X.228   ISO/IEC 9066-2
Responsible officer for the area of joint work or the international organization	J. Quigley & K. Rayner
Date of allocation	1989 by ITU-T Q.19/7 and ISO/IEC JTC 1 (project 1.18.11.6)

Primary integer of the arc beneath arc 2	4
Additional secondary identifier (if any) assigned to that arc	<b>remote-operations</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Remote operations service element (ROSE), Rec. ITU-T X.219   ISO/IEC 9072-1, Rec. ITU-T X.229   ISO/IEC 9072-2 and Rec. ITU-T X.880   ISO/IEC 13712-1
Responsible officer for the area of joint work or the international organization	J. Quigley & K. Rayner
Date of allocation	1989 by ITU-T Q.19/7 and ISO/IEC JTC 1 (project

	1.18.11.5)
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Primary integer of the arc beneath arc 2	5
Additional secondary identifier (if any) assigned to that arc	<b>ds</b> <b>directory</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Directory Services (Rec. ITU-T X.500   ISO/IEC 9594 series)
Responsible officer for the area of joint work or the international organization	Hoyt Kesterson & R. Exner
Date of allocation	1989 by ITU-T Q.20/7 and ISO/IEC JTC 1 (project 1.21.29)

Primary integer of the arc beneath arc 2	6
Additional secondary identifier (if any) assigned to that arc	<b>mhs</b> <b>mhs-motif</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Message Handling System (MHS); a.k.a. Message Oriented Text Interchange System (MOTIS) in ISO (Rec. ITU-T X.400   ISO/IEC 10021 series)
Responsible officer for the area of joint work or the international organization	J. Craigie & C.-U. Manros
Date of allocation	1989 by ITU-T Q.18/7 and ISO/IEC JTC 1 (project 1.18.11)

Primary integer of the arc beneath arc 2	7
Additional secondary identifier (if any) assigned to that arc	<b>ccr</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Commitment, Concurrency and Recovery (CCR) service and protocol (Rec. ITU-T X.851   ISO/IEC 9804 and Rec. ITU-T X.852   ISO/IEC 9805-1)
Responsible officer for the area of joint work or the international organization	J. Quigley & A. Fletcher

international organization	
Date of allocation	1989 by ITU-T Q.25/7 and ISO/IEC JTC 1 (projects 1.21.22.01.04 & 21.22.02.04)

Primary integer of the arc beneath arc 2	8
Additional secondary identifier (if any) assigned to that arc	<b>oda</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Open Document Architecture (ODA) (Rec. ITU-T T.411   ISO/IEC 8613-1)
Responsible officer for the area of joint work or the international organization	H.R. Silbiger
Date of allocation	1989 by ITU-T Q.27/7 and ISO/IEC JTC 1 (project 1.18.10)

Primary integer of the arc beneath arc 2	9
Additional secondary identifier (if any) assigned to that arc	<b>ms</b> <b>osi-management</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Network management, particularly the Common Management Information Protocol (CMIP, Rec. ITU-T X.711   ISO 9596-1) and the Guidelines for the Definition of Managed Objects (GDMO, Rec. ITU-T X.722   ISO 10165-4)
Responsible officer for the area of joint work or the international organization	K. Morino & C. Smith
Date of allocation	1989 by ITU-T Q.24/7 and ISO/IEC JTC 1 (project 1.21.28)

Primary integer of the arc beneath arc 2	10
Additional secondary identifier (if any) assigned to that arc	<b>transaction-processing</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or	Transaction processing

international organization using that arc	
Responsible officer for the area of joint work or the international organization	A. Brainbridge & A.M. Fletcher
Date of allocation	1989 by ITU-T Q.25/7 and ISO/IEC JTC 1 (project 1.21.34)

Primary integer of the arc beneath arc 2	11
Additional secondary identifier (if any) assigned to that arc	<b>dor</b> <b>distinguished-object-reference</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	ISO 10031-2 ( <b>withdrawn standard</b> ): Information technology – Text and office systems – Distributed office-applications model – Part 2: Distinguished-object-reference and associated procedures
Responsible officer for the area of joint work or the international organization	C.-U. Manros & K. Rayner
Date of allocation	1989 by ITU-T Q.19/7 and ISO/IEC JTC 1 (project 1.18.28.02)

Primary integer of the arc beneath arc 2	12
Additional secondary identifier (if any) assigned to that arc	<b>reference-data-transfer</b> <b>rdt</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Reference data transfer (see ISO/IEC 10740 multi-part <b>withdrawn standard</b> )
Responsible officer for the area of joint work or the international organization	C.-U. Manros & K. Rayner
Date of allocation	1989 by ITU-T Q.19/7 and ISO/IEC JTC 1/SC 18

Primary integer of the arc beneath arc 2	13
Additional secondary identifier (if any) assigned to that arc	<b>network-layer</b> <b>network-layer-management</b>
Additional Unicode label (if any) assigned to that root arc	

Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Network layer management (Rec. ITU-T X.283   ISO/IEC 10733)
Responsible officer for the area of joint work or the international organization	M. Shand & H. Bertine
Date of allocation	1989 by ITU-T Q.7, 9, 27/7 and ISO/IEC JTC 1 (project 1.06.50)

Primary integer of the arc beneath arc 2	14
Additional secondary identifier (if any) assigned to that arc	<b>transport-layer</b> <b>transport-layer-management</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Transport layer management (Rec. ITU-T X.284   ISO/IEC 10737)
Responsible officer for the area of joint work or the international organization	I. Valet & T. O Caroll
Date of allocation	1989 by ITU-T Q.27/7 and ISO/IEC JTC 1 (project 1.06.35.05)

Primary integer of the arc beneath arc 2	15
Additional secondary identifier (if any) assigned to that arc	<b>datalink-layer</b> <b>datalink-layer-management</b> <b>datalink-layer-management-</b> <b>information</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	OSI datalink layer management (Rec. ITU-T X.282)
Responsible officer for the area of joint work or the international organization	M. Stahl & H. Bertine
Date of allocation	1989 by ITU-T Q.28/7 and ISO/IEC JTC 1 (project 1.06.44)

Primary integer of the arc beneath arc 2	16
Additional secondary identifier (if any) assigned to that arc	<b>country</b>

Additional Unicode label (if any) assigned to that root arc	<b>Country</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Joint (ITU-T and ISO/IEC) registration within a country (Rec. ITU-T X.662   ISO/IEC 9834-3)
Responsible officer for the area of joint work or the international organization	B.M. Wood and C.E. Young (now ITU-T Study Group 17 and ISO/IEC JTC 1/SC 6/WG 9)
Date of allocation	1989 by ITU-T Q.23/7 and ISO/IEC JTC 1 (project 1.21.21.01)

Primary integer of the arc beneath arc 2	<b>17</b>
Additional secondary identifier (if any) assigned to that arc	<b>registration-procedures</b>
Additional Unicode label (if any) assigned to that root arc	<b>Registration-Procedures</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	ISO/IEC and/or ITU-T activities on registration procedures
Responsible officer for the area of joint work or the international organization	B.M. Wood and C.E. Young (now ITU-T   ISO/IEC ASN.1 Group, as Editor of the ITU-T Rec. X.660   ISO/IEC 9834 series)
Date of allocation	1989 by ITU-T Q.23/7 and ISO/IEC JTC 1 (project 1.21.21.01)

Primary integer of the arc beneath arc 2	<b>18</b>
Additional secondary identifier (if any) assigned to that arc	<b>physical-layer</b> <b>physical-layer-management</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Physical layer management (Rec. ITU-T X.281   ISO/IEC 13642)
Responsible officer for the area of joint work or the international organization	H. Sugiyama & H. Bertine
Date of allocation	1989 by ITU-T Q.28/7 and ISO/IEC JTC 1 (project 1.06.06.61)

Primary integer of the arc beneath arc 2	<b>19</b>
Additional secondary identifier (if any) assigned to	<b>mheg</b>



that arc	
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Multimedia and Hypermedia information coding Expert Group (MHEG) (ISO/IEC 13522)
Responsible officer for the area of joint work or the international organization	R. Price & J. Fromont
Date of allocation	1992 by ITU-T Q.11/8 and ISO/IEC JTC 1 (project 1.29.06)

Primary integer of the arc beneath arc 2	20
Additional secondary identifier (if any) assigned to that arc	<b>genericULS</b> <b>generic-upper-layers-security</b> <b>guls</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Generic upper layers security (GULS) (Rec. ITU-T X.830   ISO/IEC 11586-1)
Responsible officer for the area of joint work or the international organization	W. Ford & K. Randall
Date of allocation	(date unknown) by ITU-T Q.20/7 and ISO/IEC JTC 1 (project 1.21.22.03)

Primary integer of the arc beneath arc 2	21
Additional secondary identifier (if any) assigned to that arc	<b>transport-layer-security-protocol</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Transport layer security protocol (Rec. ITU-T X.274   ISO/IEC 10736)
Responsible officer for the area of joint work or the international organization	D. Walters
Date of allocation	(date unknown) by ISO/IEC JTC 1 (project 1.06.35.06)

Primary integer of the arc beneath arc 2	22
Additional secondary identifier (if any) assigned to that arc	<b>network-layer-security-protocol</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Network layer security protocol (Rec. ITU-T X.273   ISO/IEC 11577)
Responsible officer for the area of joint work or the international organization	N. Pope
Date of allocation	(date unknown) by ISO/IEC JTC 1 (project 1.06.59)

Primary integer of the arc beneath arc 2	23
Additional secondary identifier (if any) assigned to that arc	<b>international-organizations</b>
Additional Unicode label (if any) assigned to that root arc	<b>International-Organizations</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	International organizations (Rec. ITU-T X.666   ISO/IEC 9834-7)
Responsible officer for the area of joint work or the international organization	Bryan Wood and Yzhak Ronen Since 2001: Vanessa Tatler and Mark Barratt British Standard Institute (BSI) 389 Chiswick High Road GB-London W4 4AL United Kingdom Tel: +44 20 8996 7009 Email: telecoms@bsigroup.com
Date of allocation	1997 by ITU-T Q.21/7 and ISO/IEC JTC 1 (project 1.21.21.11)

Primary integer of the arc beneath arc 2	24
Additional secondary identifier (if any) assigned to that arc	<b>sios</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Security information objects for access control (Rec. ITU-T X.841   ISO/IEC 15816)
Responsible officer for the area of joint work or the	Elmer J. McDowell Elmer (now Sean Turner,

international organization	email: turners@ieca.com)
Date of allocation	Used since 2000 by ITU-T Q.10/17 and ISO/IEC JTC 1/SC 27 but allocated on 19 Mar 2004 by document COM 17-TD 3191 Rev. 1 [2001-2004]

Primary integer of the arc beneath arc 2	25
Additional secondary identifier (if any) assigned to that arc	<b>uuid</b>
Additional Unicode label (if any) assigned to that root arc	<b>UUID</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Universally Unique Identifiers (UUIDs) generated in accordance with Rec. ITU-T X.667   ISO/IEC 9834-8
Responsible officer for the area of joint work or the international organization	ITU-T   ISO/IEC ASN.1 Group
Date of allocation	28 Nov 2003 by ITU-T Q.10/17 and ISO/IEC JTC 1/SC 6

Primary integer of the arc beneath arc 2	26
Additional secondary identifier (if any) assigned to that arc	<b>odp</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Open Distributed Processing (ODP) (Rec. ITU-T X.900 series   ISO/IEC 10746 & 13235 series)
Responsible officer for the area of joint work or the international organization	ITU-T Q15/17 & ISO/IEC JTC1/SC7
Date of allocation	9 Apr 2005

Primary integer of the arc beneath arc 2	27
Additional secondary identifier (if any) assigned to that arc	<b>tag-based nid</b>
Additional Unicode label (if any) assigned to that root arc	<b>Tag-Based</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Tag-based identifications (identification mechanisms for which identifiers are stored in a memory-limited area of a tag) (Rec. ITU-T X.668   ISO/IEC 9834-9)

Responsible officer for the area of joint work or the international organization	National Internet Development Agency of Korea (NIDA) 3F, 398, Seocho-ro Seocho-gu Seoul, 137-857 Republic of Korea Tel: +82 2 2186 4668 email: RA-nid@nida.or.kr Web site: <a href="http://www.nida.or.kr/english/">http://www.nida.or.kr/english/</a>
Date of allocation	11 Apr 2008

Primary integer of the arc beneath arc 2	<b>28</b>
Additional secondary identifier (if any) assigned to that arc	<b>its</b>
Additional Unicode label (if any) assigned to that root arc	<b>ITS</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Intelligent transport systems (ISO 14817-3)
Responsible officer for the area of joint work or the international organization	Ken Vaughn Email: kvaughn@trevilon.com  Contact through Patty Fusaro: ISO/TC 204 Secretariat Tel: +1 202 721 4238 Email: pfusaro@itsa.org
Date of allocation	17 Apr 2015 by ITU-T Study Group 17 and 29 May 2015 by ISO/IEC JTC 1/SC 6

Primary integer of the arc beneath arc 2	<b>40</b>
Additional secondary identifier (if any) assigned to that arc	<b>upu</b>
Additional Unicode label (if any) assigned to that root arc	
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Universal Postal Union (UPU)
Responsible officer for the area of joint work or the international organization	Morgan Ray Chairman, Standards Board Universal Postal Union (UPU) Tel: +41 (0)31 350 31 11 Fax: +41 (0)31 350 31 10 Web site: <a href="http://www.upu.int">http://www.upu.int</a>

Date of allocation	Sep 2003 by ITU-T SG 17
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Primary integer of the arc beneath arc 2	<b>41</b>
Additional secondary identifier (if any) assigned to that arc	<b>bip</b>
Additional Unicode label (if any) assigned to that root arc	<b>BIP</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	BioAPI Interworking Protocol (BIP) (Rec. ITU-T X.1083   ISO/IEC 24708)
Responsible officer for the area of joint work or the international organization	ISO Editor and Jean-Paul Lemaire (ITU-T Editor)
Date of allocation	28 Sep 2007 by ITU-T SG 17 and 11 Apr 2008 by ISO/IEC JTC 1/SC 6

Primary integer of the arc beneath arc 2	<b>42</b>
Additional secondary identifier (if any) assigned to that arc	<b>telebiometrics</b>
Additional Unicode label (if any) assigned to that root arc	<b>Telebiometrics</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Telebiometrics including telehealth and associated physiological quantities and units (Rec. ITU-T X.1081, ITU-T X.1082, ITU-T X.1092 to X.1097, and the IEC 80000 and 80001 series)
Responsible officer for the area of joint work or the international organization	Jean-Paul Lemaire (Rec. ITU-T X.th editor) and Stéphane Cullati (ISO TC12/WG18 and IEC TC25/WG6 Convenor) Email: jean-paul.lemaire@univ-paris-diderot.fr, bioscalar@tactim.com
Date of allocation	Nov 2008 by ISO/IEC JTC 1/SC 6 and 19 Sep 2009 by ITU-T SG 17

Primary integer of the arc beneath arc 2	<b>48</b>
Additional secondary identifier (if any) assigned to that arc	<b>cybersecurity</b>
Additional Unicode label (if any) assigned to that root arc	<b>Cybersecurity</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Cybersecurity information exchange

Responsible officer for the area of joint work or the international organization	Recommendation ITU-T X.1500.1
Date of allocation	Sep 2011 by ITU-T SG 17 and Feb 2012 for ISO/IEC JTC 1/SC 6 in Feb 2012

Primary integer of the arc beneath arc 2	<b>49</b>
Additional secondary identifier (if any) assigned to that arc	<b>alerting</b>
Additional Unicode label (if any) assigned to that root arc	<b>Alerting</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Alerts and alerting agencies (Rec. ITU-T X.674)
Responsible officer for the area of joint work or the international organization	Rec. ITU-T X.674
Date of allocation	Sep 2009 by ITU-T SG 17 and Jan 2010 by ISO/IEC JTC 1/SC 6

Primary integer of the arc beneath arc 2	<b>50</b>
Additional secondary identifier (if any) assigned to that arc	<b>ors</b>
Additional Unicode label (if any) assigned to that root arc	<b>OIDResolutionSystem</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Object Identifier Resolution System (ORS) (Rec. ITU-T X.672   ISO/IEC 29168-1)
Responsible officer for the area of joint work or the international organization	Rec. ITU-T X.672   ISO/IEC 29168-1
Date of allocation	Apr 2010 by ITU-T SG 17 and Sep 2010 by ISO/IEC JTC 1/SC 6

Primary integer of the arc beneath arc 2	<b>51</b>
Additional secondary identifier (if any) assigned to that arc	<b>gs1</b>
Additional Unicode label (if any) assigned to that root arc	<b>GS1</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	<a href="#">GS1</a>

Responsible officer for the area of joint work or the international organization	<a href="#">Henri Barthel</a> GS1 AISBL Blue Tower Avenue Louise, 326 BE 1050 Brussels Belgium Telephone: +32 2 788 7823
Date of allocation	Feb 2012 by ISO/IEC JTC 1/SC 6 and March 2012 by ITU-T SG 17

Primary integer of the arc beneath arc 2	52
Additional secondary identifier (if any) assigned to that arc	<b>uav</b>
Additional Unicode label (if any) assigned to that root arc	<b>UAV</b>
Area of joint ISO/IEC and ITU-T work, or international organization using that arc	Unmanned Aerial Vehicles (UAV) (Rec. ITU-T X.uav-oid)
Responsible officer for the area of joint work or the international organization	<a href="#">Wenjing Ma</a> China Electronics Standardization Institute No.1 East Street of Anding Men Dongcheng District, Beijing China Telephone: +86 10 64102866
Date of allocation	Jan 2019 by ITU-T SG 17 and Apr 2019 by ISO/IEC JTC 1/SC 6

Primary integer of the arc beneath arc 2	999
Additional secondary identifier (if any) assigned to that arc	<b>example</b>
Additional Unicode label (if any) assigned to that root arc	<b>Example</b> (English) <b>Exemple</b> (French) <b>Ejemplo</b> (Spanish) المثال (Arabic) 范例 (Chinese) Пример (Russian) 예제 (Korean) 例 (Japanese) <b>Beispiel</b> (German)
Area of joint ISO/IEC and ITU-T work, or	Example. This OID can be used by anyone, without

international organization using that arc	any permission, for the purpose of documenting examples of object identifiers (in the same way as "example.com" is defined in <a href="#">IETF RFC 2606</a> as an example for web sites).
Responsible officer for the area of joint work or the international organization	None
Date of allocation	June 2011 by ISO/IEC JTC 1/SC 6 and Sep 2011 by ITU-T SG 17 (Feb 2012 by ISO/IEC JTC 1/SC 6 for the Unicode labels in Korean, Japanese and German)

### 3. Register of Unicode labels (long arcs) from the root to nodes beneath the root arc with integer value 2

OID node that the long arc is assigned to	{joint-iso-itu-t(2) asn1(1)}
Unicode label (long arc) that is assigned from the root to that node	<b>ASN.1</b>
Date of allocation	2007

OID node that the long arc is assigned to	{joint-iso-itu-t(2) country(16)}
Unicode label (long arc) that is assigned from the root to that node	<b>Country</b>
Date of allocation	2007

OID node that the long arc is assigned to	{joint-iso-itu-t(2) international-organizations(23)}
Unicode label (long arc) that is assigned from the root to that node	<b>International-Organizations</b>
Date of allocation	2007

OID node that the long arc is assigned to	{joint-iso-itu-t(2) uuid(25)}
Unicode label (long arc) that is assigned from the root to that node	<b>UUID</b>
Date of allocation	2007

OID node that the long arc is assigned to	{joint-iso-itu-t(2) tag-based(27)}
Unicode label (long arc) that is assigned from the root to that node	<b>Tag-Based</b>



Date of allocation	Apr 2008 by ITU-T SG 17 and ISO/IEC JTC 1/SC 6
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OID node that the long arc is assigned to	<b>{joint-iso-itu-t(2) bip(41)}</b>
Unicode label (long arc) that is assigned from the root to that node	<b>BIP</b>
Date of allocation	28 Sep 2007 by ITU-T SG 17 and 11 Apr 2008 by ISO/IEC JTC 1/SC 6

OID node that the long arc is assigned to	<b>{joint-iso-itu-t(2) telebiometrics(42)}</b>
Unicode label (long arc) that is assigned from the root to that node	<b>Telebiometrics</b>
Date of allocation	Nov 2008 by ISO/IEC JTC 1/SC 6 and Feb 2009 by ITU-T SG 17

OID node that the long arc is assigned to	<b>{joint-iso-itu-t(2) cybersecurity(48)}</b>
Unicode label (long arc) that is assigned from the root to that node	<b>Cybersecurity</b>
Date of allocation	Sep 2011 by ITU-T SG 17 and Feb 2012 for ISO/IEC JTC 1/SC 6 in Feb 2012

OID node that the long arc is assigned to	<b>{joint-iso-itu-t(2) alerting(49)}</b>
Unicode label (long arc) that is assigned from the root to that node	<b>Alerting</b>
Date of allocation	Sep 2009 by ITU-T SG 17 and Jan 2010 by ISO/IEC JTC 1/SC 6

OID node that the long arc is assigned to	<b>{joint-iso-itu-t(2) ors(50)}</b>
Unicode label (long arc) that is assigned from the root to that node	<b>OIDResolutionSystem</b>
Date of allocation	Apr 2010 by ITU-T SG 17 and Sep 2010 by ISO/IEC JTC 1/SC 6

OID node that the long arc is assigned to	<b>{joint-iso-itu-t(2) gs1(51)}</b>
Unicode label (long arc) that is assigned from the root to that node	<b>GS1</b>

Date of allocation	Feb 2011 by ISO/IEC JTC 1/SC 6 and March 2012 by ITU-T SG 17
OID node that the long arc is assigned to	{ <b>joint-iso-itu-t(2) example(999)</b> }
Unicode label (long arc) that is assigned from the root to that node	<b>Example</b> (English) <b>Exemple</b> (French) <b>Ejemplo</b> (Spanish) المثال (Arabic) 范例 (Chinese) <b>Пример</b> (Russian) 예제 (Korean) 例 (Japanese) <b>Beispiel</b> (German)
Date of allocation	June 2011 by ISO/IEC JTC 1/SC 6 and Sep 2011 by ITU-T SG 17 (Feb 2012 by ISO/IEC JTC 1/SC 6 for the long arcs in Korean, Japanese and German)