

International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.669

(08/2008)

SERIES X: DATA NETWORKS, OPEN SYSTEM
COMMUNICATIONS AND SECURITY

OSI networking and system aspects – Naming,
Addressing and Registration

**Procedures for ITU-T registration of identified
organizations**

Recommendation ITU-T X.669



ITU-T X-SERIES RECOMMENDATIONS
DATA NETWORKS, OPEN SYSTEM COMMUNICATIONS AND SECURITY

PUBLIC DATA NETWORKS	
Services and facilities	X.1–X.19
Interfaces	X.20–X.49
Transmission, signalling and switching	X.50–X.89
Network aspects	X.90–X.149
Maintenance	X.150–X.179
Administrative arrangements	X.180–X.199
OPEN SYSTEMS INTERCONNECTION	
Model and notation	X.200–X.209
Service definitions	X.210–X.219
Connection-mode protocol specifications	X.220–X.229
Connectionless-mode protocol specifications	X.230–X.239
PICS proformas	X.240–X.259
Protocol Identification	X.260–X.269
Security Protocols	X.270–X.279
Layer Managed Objects	X.280–X.289
Conformance testing	X.290–X.299
INTERWORKING BETWEEN NETWORKS	
General	X.300–X.349
Satellite data transmission systems	X.350–X.369
IP-based networks	X.370–X.379
MESSAGE HANDLING SYSTEMS	X.400–X.499
DIRECTORY	X.500–X.599
OSI NETWORKING AND SYSTEM ASPECTS	
Networking	X.600–X.629
Efficiency	X.630–X.639
Quality of service	X.640–X.649
Naming, Addressing and Registration	X.650–X.679
Abstract Syntax Notation One (ASN.1)	X.680–X.699
OSI MANAGEMENT	
Systems Management framework and architecture	X.700–X.709
Management Communication Service and Protocol	X.710–X.719
Structure of Management Information	X.720–X.729
Management functions and ODMA functions	X.730–X.799
SECURITY	X.800–X.849
OSI APPLICATIONS	
Commitment, Concurrency and Recovery	X.850–X.859
Transaction processing	X.860–X.879
Remote operations	X.880–X.889
Generic applications of ASN.1	X.890–X.899
OPEN DISTRIBUTED PROCESSING	X.900–X.999
TELECOMMUNICATION SECURITY	X.1000–

For further details, please refer to the list of ITU-T Recommendations.

Recommendation ITU-T X.669

Procedures for ITU-T registration of identified organizations

Summary

Recommendation ITU-T X.669 specifies registration procedures for allocating arcs beneath the `{itu-t(0) identified-organization(4)}` arc of the International Object Identifier tree.

Source

Recommendation ITU-T X.669 was approved on 29 August 2008 by ITU-T Study Group 17 (2005-2008) under Recommendation ITU-T A.8 procedure.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure e.g. interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

© ITU 2009

All rights reserved. No part of this publication may be reproduced, by any means whatsoever, without the prior written permission of ITU.

CONTENTS

	Page
1 Scope	1
2 References.....	1
3 Definitions	1
3.1 International Object Identifier tree terms	1
3.2 Terms defined in this Recommendation.....	2
4 Abbreviations.....	2
5 General.....	2
6 Registration procedures for ITU-T identified organization arcs	3
6.1 Register of identified organization arcs.....	3
6.2 Registration authority	3
6.3 Application submission	3
6.4 Application information	3
6.5 Registrar's decision.....	3
6.6 Assignments of arc identifications	3
6.7 Registered information maintenance.....	4
6.8 Registrar's responsibilities	4

Recommendation ITU-T X.669

Procedures for ITU-T registration of identified organizations

1 Scope

This Recommendation:

- a) specifies requirements for the operation of the Registration Authority that registers arcs immediately below the ITU-T identified organization arc; and
- b) identifies the Registration Authority.

Once a new arc is registered by this Registration Authority, the identified organization is delegated the authority to register names for arcs under that new arc subject to constraints on the syntax and unambiguity of arc properties.

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

[ITU-T X.660] Recommendation ITU-T X.660 (2008) | ISO/IEC 9834-1:2008, *Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: General procedures and top arcs of the International Object Identifier tree.*

[ITU-T X.666] Recommendation ITU-T X.666 (2008) | ISO/IEC 9834-7:2008, *Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: Joint ISO and ITU-T registration of international organizations.*

[ITU-T X.680] Recommendation ITU-T X.680 (2008) | ISO/IEC 8824-1:2008, *Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation.*

3 Definitions

3.1 International Object Identifier tree terms

This Recommendation uses the following terms defined in [ITU-T X.660]

- a) integer-valued Unicode label;
- b) International Object Identifier tree;
- c) non-integer Unicode label;
- d) primary integer value;
- e) secondary identifier;
- f) Unicode label.

3.2 Terms defined in this Recommendation

This Recommendation defines the following terms:

3.2.1 arc identifications: The totality of the names assigned to an arc of the Internationalized Object Identifier tree.

NOTE – These consist (except for long arcs) of a single unambiguous primary integer (defining an integer-valued Unicode label), zero or more unambiguous non-integer Unicode labels and zero or more (possibly ambiguous) secondary identifiers.

3.2.2 ITU-T identified organization arc: An arc beneath the node of the International Object Identifier tree that is identified by the ASN.1 object identifier value `{itu-t identified-organization(4)}` and the ASN.1 OID internationalized resource identifier value `"/ITU-T/Identified-Organization"`.

4 Abbreviations

This Recommendation uses the following abbreviations:

ASN.1	Abstract Syntax Notation One
OID	Object Identifier
OID-IRI	OID Internationalized Resource Identifier
ROA	Recognized Operating Agency
SIO	Scientific or Industrial Organization

5 General

5.1 [ITU-T X.660] defines general procedures for registration that are independent of the object involved. It allows for other Recommendations or International Standards to define procedures that are specific to objects of a particular type. It also specifies the syntactic and unambiguity constraints on arc identifications for all arcs in the International Object Identifier tree.

5.2 This Recommendation specifies registration procedures for ITU-T identified organization arcs. The positioning of such arcs is beneath the arc labelled as "identified-organization(4)" in Figure 1.

NOTE – The figure shows (for historical reasons) only the primary integer value and a secondary identifier. It does not show Unicode labels.

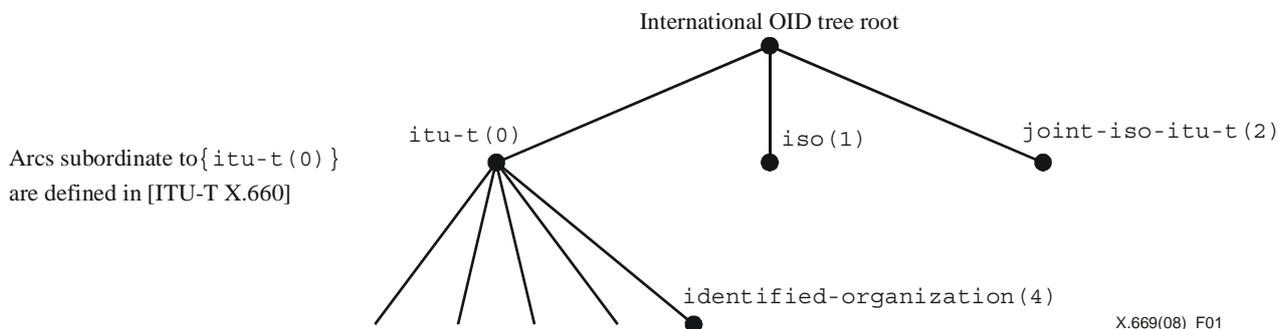


Figure 1 – International Object Identifier tree

5.3 Arcs registered below the {itu-t(0)} arc are listed in Annex A of [ITU-T X.660].

6 Registration procedures for ITU-T identified organization arcs

6.1 Register of identified organization arcs

6.1.1 The applicant provides the non-integer Unicode labels and secondary identifiers that are requested to be included in the arc identifications. The primary integer value (which defines the integer-valued Unicode label) is assigned by the Registration Authority.

6.1.2 The content of the register may be published or made available on request.

6.2 Registration authority

The Registration Authority performs an administrative role as specified in [ITU-T X.660].

6.3 Application submission

An application to register a new ITU-T identified organization arc can be submitted only by an ITU-T member. Only ITU-T members may register with this Registration Authority.

NOTE – Members of ITU-T are Administrations (which are Members by right of the ITU) plus ITU-T Sector Members (ROAs, SIOs, etc.).

6.4 Application information

The application to register a new ITU-T identified organization arc must include the following information:

- name of the ITU-T member submitting the application;
- name, postal address, telephone number/facsimile number or e-mail address for a contact point of the ITU-T member applying for registration;
- the non-integer Unicode labels and secondary identifiers that the applicant wishes to be included in the arc identifications.

6.5 Registrar's decision

The Registration Authority reviews the applications and:

- 1) approves the application; or
- 2) asks for more information from the applicant; or
- 3) rejects the application.

6.6 Assignments of arc identifications

Unique primary integer values (defining integer-valued Unicode labels) are assigned by the Registration Authority to each ITU-T identified organization arc. The assigned primary integer value shall be increased sequentially by the positive integer one, i.e., +1, above the last assigned value. The secondary identifiers submitted by the applicant will be registered as requested. The non-integer Unicode labels will only be registered if they are unique within the register.

NOTE – The secondary identifiers do not have to be unambiguous identifications across all the ITU-T identification arcs. Only the Unicode labels are required to be unambiguous identifications. However, if a requested secondary identifier already exists in the register, the applicant shall be advised of this so that the applicant may resubmit a new value for that secondary identifier, or justify the choice for duplication.

6.7 Registered information maintenance

For each entry in the register, the Registration Authority maintains the information specified above for the application, and in addition the:

- identity and contact information of the owner of the name;
- arc identifications assigned;
- date of issuing of the approval.

6.8 Registrar's responsibilities

The following are the responsibilities of the Registration Authority:

- receive, consider, and approve or reject applications;
- inform the applicant of the decision made regarding the applicant's application;
- delegate the authority to register names of arcs subordinate to the assigned arc;
- promulgate information on the new registered arc.

SERIES OF ITU-T RECOMMENDATIONS

Series A	Organization of the work of ITU-T
Series D	General tariff principles
Series E	Overall network operation, telephone service, service operation and human factors
Series F	Non-telephone telecommunication services
Series G	Transmission systems and media, digital systems and networks
Series H	Audiovisual and multimedia systems
Series I	Integrated services digital network
Series J	Cable networks and transmission of television, sound programme and other multimedia signals
Series K	Protection against interference
Series L	Construction, installation and protection of cables and other elements of outside plant
Series M	Telecommunication management, including TMN and network maintenance
Series N	Maintenance: international sound programme and television transmission circuits
Series O	Specifications of measuring equipment
Series P	Telephone transmission quality, telephone installations, local line networks
Series Q	Switching and signalling
Series R	Telegraph transmission
Series S	Telegraph services terminal equipment
Series T	Terminals for telematic services
Series U	Telegraph switching
Series V	Data communication over the telephone network
Series X	Data networks, open system communications and security
Series Y	Global information infrastructure, Internet protocol aspects and next-generation networks
Series Z	Languages and general software aspects for telecommunication systems