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SERIES X: DATA NETWORKS AND OPEN SYSTEM
COMMUNICATION

OSI networking and system aspects – Naming,
Addressing and Registration

**Procedures for a registration authority
operating on behalf of countries to
register organization names subordinate
to country names**

ITU-T Recommendation X.671

(Previously CCITT Recommendation)

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FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (ITU). The 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 Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, March 1-12, 1993).

ITU-T Recommendation X.671 was prepared by ITU-T Study Group 7 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 5th of October 1996.

NOTE

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

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SUMMARY

This Recommendation specifies registration procedures for a registration authority that operates on behalf of countries to register organization names subordinate to country names.

**PROCEDURES FOR A REGISTRATION AUTHORITY OPERATING
ON BEHALF OF COUNTRIES TO REGISTER ORGANIZATION
NAMES SUBORDINATE TO COUNTRY NAMES**

(Geneva, 1996)

1 Scope

This Recommendation specifies requirements for the operation of the registration authority that registers organization names on behalf of countries.

The registration requirements specified in this Recommendation correspond to any arcs in the RH-name-tree below which national registration authorities may exist.

These registration procedures may be useful for countries that do not have a registration authority in place and are willing to let another registration authority discharge this role on their behalf.

2 References

The following 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: all 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 currently valid ITU-T Recommendations is regularly published.

2.1 Identical Recommendations | International Standards

- ITU-T Recommendation X.500 (1993) | ISO/IEC 9594-1:1995, *Information technology – Open Systems Interconnection – The Directory: Overview of concepts, models and services.*
- ITU-T Recommendation X.501 (1993) | ISO/IEC 9594-2:1995, *Information technology – Open Systems Interconnection – The Directory: Models.*
- CCITT Recommendation X.660 (1992) | ISO/IEC 9834-1:1992, *Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: General procedures.*
- ITU-T Recommendation X.680 (1994) | ISO/IEC 8824-1:1995, *Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation.*

2.2 Paired Recommendations | International Standards equivalent in technical content

- ITU-T Recommendation F.400/X.400 (1996), *Message handling: System and service overview.*
ISO/IEC 10021-1:1997, *Information technology – Message Handling Systems (MHS) – Part 1: System and Service Overview.*

2.3 Additional references

- ITU-T Recommendation X.666 (1995), *Procedures for registration of international and multinational organization names.*

3 Definitions

3.1 For the purposes of this Recommendation, the following term used in this Recommendation is incorporated by reference from ITU-T Rec. X.680 | ISO/IEC 8824-1:

- object identifier.

3.2 For the purposes of this Recommendation, the following term used in this Recommendation is incorporated by reference from ITU-T Rec. X.501 | ISO/IEC 9594-2:

- directory name.

3.3 For the purposes of this Recommendation, the following terms used in this Recommendation are incorporated by reference from CCITT Rec. X.660 | ISO/IEC 9834-1:

- a) registration-hierarchical-name-tree (RH-name-tree);
- b) administrative role.

3.4 For the purposes of this Recommendation, the following terms are used and are defined in ITU-T Rec. F.400/X.400 and ISO/IEC 10021-1:

- a) Administrative Management Domain (ADMD);
- b) Private Management Domain (PRMD);
- c) Originator/Recipient Address (O/R Address).

3.5 For the purposes of this Recommendation, the following terms are used and are defined in CCITT Rec. X.660 | ISO/IEC 9834-1:

- a) numeric name;
- b) alphanumeric name;
- c) International Organization.

4 Abbreviations

For the purposes of this Recommendation, the following abbreviations apply:

ADMD	Administrative Management Domain
ASN.1	Abstract Syntax Notation One
EDI	Electronic Data Interchange
CCITT	International Telegraph and Telephone Consultative Committee
IEC	International Electrotechnical Commission
ITU	International Telecommunication Union
ITU-T	International Telecommunication Union – Telecommunications Sector
ISO	International Organization for Standardization
JTC 1	Joint Technical Committee 1
MD	Management Domain (PRMD or ADMD)
MHS	Message Handling System
PRMD	Private Management Domain

5 General

5.1 CCITT Rec. X.660 | ISO/IEC 9834-1 defines general procedures for registration that are independent of the object involved. It allows for other Recommendations or Standards to define procedures that are specific to objects of a particular type.

This Recommendation specifies registration procedures for registration of various types of organization names on behalf of countries. Names registered with the Registration Authority, and according to these registration procedures, can only be used within the context of a country name.

5.2 This Recommendation specifies registration procedures to assign unambiguous organization name values as required for specific naming system or for general purpose naming.

The following are examples of types of organization names for which the provided procedures could be useful: Administration Management Domain (ADMD) names and Private Management Domain (PRMD) names for O/R address (X.400 addresses), trading partner names for EDI applications, ASN.1 Object Identifiers, and organization names for relative distinguished name (X.500 names).

5.3 This Recommendation specifies registration procedures to register alphanumeric and numeric values for organization names used subordinate to a country name.

6 Registration Authority

A country name designate a Registration Authority to act on its behalf in performing the registration of names for a particular type, in which case the Registration Authority will act as the national Registration Authority for that type of name in that country, e.g. for organization names, directory names, or O/R addresses. When such a delegation of authority is made, the names assigned by the Registration Authority, for the specified name type, can be used in the context of that country, i.e. subordinate to that country name for the specified name type.

7 Registration procedures

7.1 The process by which the Registration Authority performs registration is agreed between the Registration Authority and the country that delegated the authority to the Registration Authority.

7.2 The Registration Authority shall develop the details of the registration procedures with the country concerned based on the general registration procedures specified in CCITT Rec. X.660 | ISO/IEC 9834-1¹⁾.

7.3 Applications are submitted directly to the Registration Authority.

7.4 This Recommendation does not limit the format names or type of applications that can be registered with the Registration Authority. The Registration Authority may perform registration for any arc in the RH-name-tree subordinate to a country arc.

¹⁾ Recommendation X.666 shows how CCITT Rec. X.660 | ISO/IEC 9834-1 is used to develop registration procedures for international organization names.

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