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INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.666

(11/95)

**DATA NETWORKS
AND OPEN SYSTEM COMMUNICATIONS
OSI NETWORKING AND SYSTEM ASPECTS –
NAMING, ADDRESSING AND REGISTRATION**

**PROCEDURES FOR REGISTRATION
OF INTERNATIONAL AND MULTINATIONAL
ORGANIZATION NAMES**

ITU-T Recommendation X.666

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(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.666 was prepared by ITU-T Study Group 7 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 21st of November 1995.

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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ITU-T X-SERIES RECOMMENDATIONS

DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

(February 1994)

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SUMMARY

This Recommendation specifies the general registration procedures for the allocation of numeric and alphanumeric names for International and multinational organizations. This Recommendation includes three appendices, one for registration of International and multinational management domain names for use in O/R names as specified in CCITT Rec. F.400/X.400 | ISO/IEC 10021-1, one for registration of International and multinational organization names for use in directory distinguished names, as specified in ITU-T Rec. X.500 | ISO/IEC 9594-1, and one for registration of integer values to be used as object identifiers component values as specified in ITU-T Rec.X.680 | ISO/IEC 8824-1.

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Recommendation X.666

PROCEDURES FOR REGISTRATION OF INTERNATIONAL AND MULTINATIONAL ORGANIZATION NAMES

(Geneva, 1995)

1 Scope

This Recommendation:

- a) Specifies common registration procedures applicable to registration authorities that register International and multinational organization names; and
- b) Provides procedures for registration of numeric and alphanumeric names for International and multinational organizations.

Logically separate registration authorities, i.e. same entity may act for separate registration authorities, may be established at the international level for each component of a name form. However, for each such component there will exist not more than one registration authority.

NOTE 1 – There will be logically separate registration authorities, for example, one for international MD names for use in components of F.400/X.400 O/R names, and another one for the international organization names for use in a directory distinguished name component. Where there exists more than one international level component in a name form, such as international ADMD name component and international PRMD name component, then the group controlling the name form will provide rules for the use of the registered values of the name component.

When an organization is allocated a name value for a component of a name form, then it may also be granted the authority to act as a registration subauthority for subsequent components of that name form

The registration requirements specified in this Recommendation correspond to the following arcs in the RH-name-tree:

{joint-iso-itu-t(2) registration-procedures(17) international-org-name-type(n)}.

An RH-name for a particular registered international organization name is:

{joint-iso-itu-t(2) registration-procedures(17) international-org-name-type(n) organization-name(m)}.

NOTE 2 – The ASN.1 notation is used here to point to the arc in the RH-name-tree below which name values are registered. These values are mapped to the root of a naming tree where international organization names are used.

In the above arcs, “organization-name”, represents the alphanumeric value, requested by the registrant, and “m” represents the numeric value assigned by the registration authority; “international-org-name-type” represents the alphanumeric value that identifies the name type, and “n” represents its numeric value counterpart.

NOTE 3 – The procedures of this Recommendation pertain to registration of International and multinational organization names below the {joint-iso-itu-t(2) registration-procedures(17) international-org-name-type(n)}. The values below each international organization name type arc are unique and represent a group of *registered* name values that can be used in any class of naming context. In the context of this Recommendation, different name types represent separate groups of *registered* name values. This Recommendation provides guidance in a form of informative appendices to this Recommendation for registering values for several known name forms (such as the O/R name form, directory name form, and object identifier), with each name form using names registered below a separate name type (i.e. separate group of values).

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 encouraged to investigate the possibility of applying the most recent edition of Recommendations and other references listed below. A list of currently valid ITU-T Recommendations is regularly published.

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2.1 Identical Recommendations | International Standards

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

- CCITT Recommendation F.400/X.400 (1992), *Message handling services: Message handling system and service overview.*

ISO/IEC 10021-1:1990, *Information technology – Text Communication – Message-Oriented Text Interchange Systems (MOTIS) – Part 1: System and Service Overview plus Technical corrigendum 1:1991, Technical corrigendum 2:1991, Technical corrigendum 3:1992, Technical corrigendum 4:1992, Technical corrigendum 5:1992, Technical corrigendum 6:1994, Technical corrigendum 7:1994.*

3 Definitions

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

- a) NameForm;
- b) NumberForm;
- c) numericString;
- d) object;
- e) object identifier;
- f) printableString;
- g) TelexForm;
- h) telexString;
- i) universalString.

3.2 For the purposes of this Recommendation, the following terms that are used in this Recommendation are incorporated by reference from ITU-T Rec. X.500 | ISO/IEC 9594-1 Series of Recommendations:

- a) AttributeValue;
- b) AttributeValueAssertion;
- c) directory name;
- d) relative distinguished name.

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

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

3.4 For the purposes of this Recommendation, the following terms are used as defined in the final acts of the additional plenipotentiary conference (Geneva, 1992):

- a) Financial or development institutions;
- b) Member;
- c) Member state;

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- d) Recognized Operating Agencies (ROA);
- e) Regional standards organizations;
- f) Scientific or Industrial Organization (SIO).

3.5 For the purposes of this Recommendation, the following terms that are used in this Recommendation are incorporated by reference from CCITT Rec. F.400/X.400 | ISO/IEC 10021-1:

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

3.6 The following terms are used in this Recommendation, and are defined here:

3.6.1 numeric name: A component of a name assignable to an arc in the RH-name-tree. A numeric name comprises numeric values, e.g. NumberForm name component defined for object identifiers in ITU-T Rec. X.680 | ISO/IEC 8824-1.

3.6.2 alphanumeric name: A component of a name assignable to an arc in the RH-name-tree. An alphanumeric name comprises alphanumeric value, e.g. NameForm name component defined for object identifiers in ITU-T Rec. X.680 | ISO/IEC 8824-1.

3.6.3 numeric name value; numeric value: An instance of a numeric name, e.g. an integer.

3.6.4 alphanumeric name value; alphanumeric value: An instance of an alphanumeric name, e.g. an AttributeValue instance of AttributeValueAssertion specified for relative distinguished names (RDNs) in ITU-T Rec. X.500 | ISO/IEC 9594-1.

3.6.5 multinational organization: The term multinational organization refers in this Recommendation to a not-for-profit or for-profit organization that have a legal presence in more than one country.

3.6.6 International organization: The term International organization refers in this Recommendation to international treaty organization.

3.6.7 international organization: The term international organization refers in this Recommendation to organizations that need to use a name in multiple countries, and includes both International organizations (e.g. international treaty organizations) and multinational organizations.

3.6.8 country: The term country refers in this Recommendation to ITU Members or Member states, and ISO members, e.g. the words “all countries” refer to all ITU and ISO members.

4 Abbreviations

For the purposes of this Recommendation, the following abbreviations are used.

ADMD	Administration Management Domain
ASN.1	Abstract Syntax Notation One
CCITT	International Telegraph and Telephone Consultative Committee
DSA	Directory System Agent
EDI	Electronic Data Interchange
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
ITO	International Treaty Organization
ITU	International Telecommunication Union
ITU-T	International Telecommunication Union – Telecommunication Standardization Sector
JTC1	Joint Technical Committee 1
MD	Management Domain (PRMD or ADMD)

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MHS	Message Handling System
MTS	Message Transfer System
PRMD	Private Management Domain
Q	Question
RDN	Relative Distinguish Name
ROA	Recognized Operating Agencies
SIO	Scientific or Industrial Organization

5 General

5.1 CCITT Rec. X660 | ISO/IEC 9834-1 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.

This Recommendation specifies registration procedures for registration of various types of international organization names. Each such type is assigned an arc in the RH-name-tree, under which international organization names of that type shall be registered.

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

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

The types of international organizations for which a general naming forms (such as object identifier) could be useful include Recognized Operating Agencies (ROA), Scientific or Industrial Organizations (SIOS), financial or development institutions, regional and other entities dealing with international telecommunication matters.

5.3 This Recommendation specifies registration procedures to register alphanumeric and numeric values for international organization names.

6 Registration of international organization name types

6.1 Procedures for registration of international organization name types are specified below.

To register a new type of name, a new arc under the {joint-iso-itu-t(2) registration-procedures(17) } arc shall be formed, see Figure 1. To form such an arc, this Recommendation shall be amended to include that arc, and a new annex will be added to this Recommendation if needed, for the registration procedures of such a type of a name. The addition of a new arc below the {joint-iso-itu-t(2) registration-procedures(17)} arc will be agreed jointly by ISO/IEC and the ITU. Illustration of three name types, one for ASN.1, one for MD names, and one for directories is given in Figure 1.

7 Registration of international organization names

7.1 This clause specifies general procedures for registration of international organization names. These may be qualified by further procedures for specific applications. These names are registered below a specific organization name type, i.e. below a {joint-iso-itu-t(2) registration-procedures(17) international-org-name-type(n) } arc.

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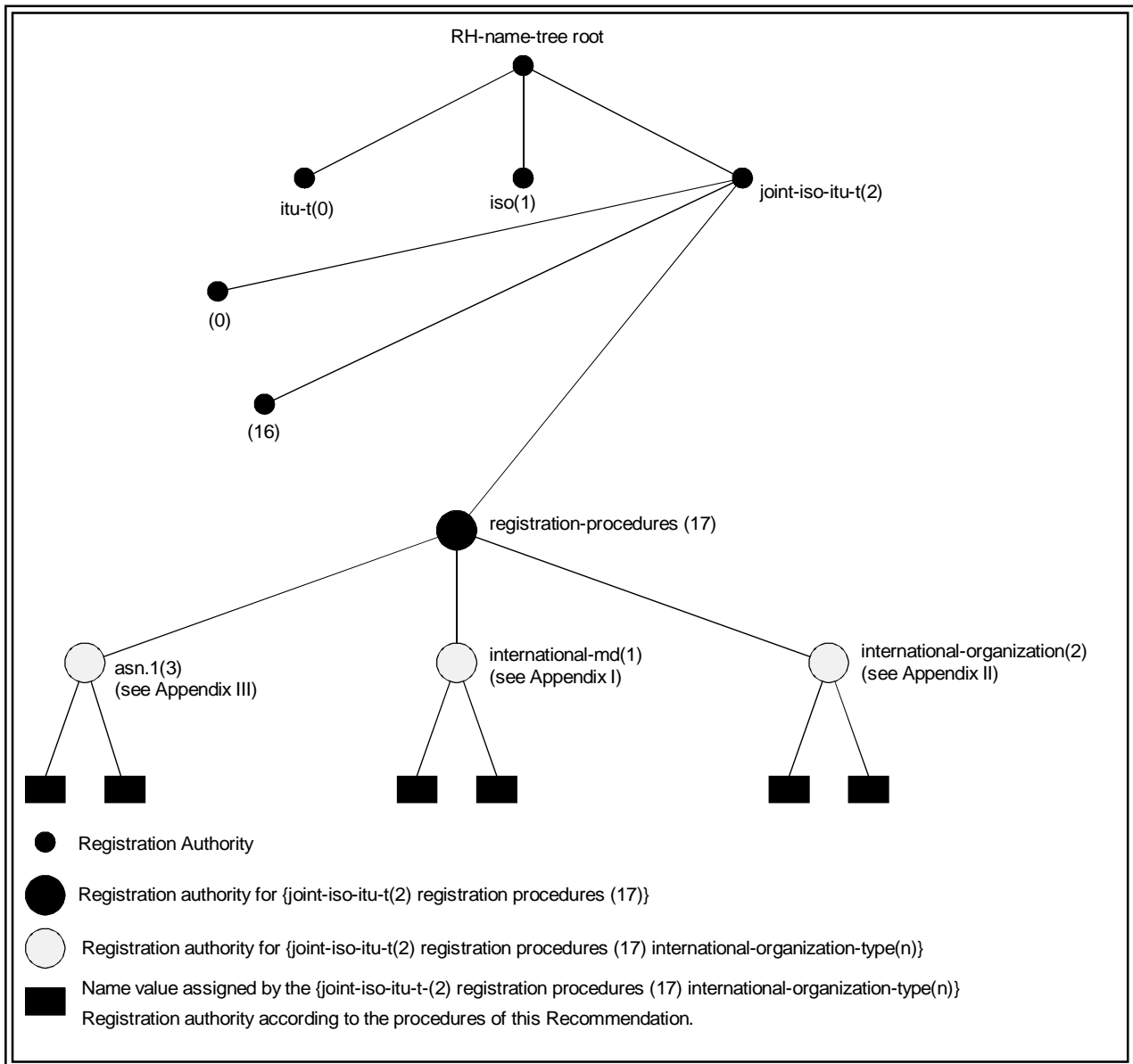


FIGURE 1/X.666

Illustration of three name types, one for ASN.1, one for MD names and one for directories

7.2 For organizations within a given country, applications shall be submitted to the Registration Authority by the national registration authority for that country. For the purpose of this Recommendation, each country shall inform the registration authority of the identity of the organization acting as national registration authority for that country, and inform the registration authority of any changes.

NOTE – Applicants should make their applications for registration through a country where they have established a legal presence.

7.3 International treaty organizations shall not be required to apply through a country as specified in 7.2. International treaty organizations may submit applications to register international organization names directly to the Registration Authority. The confirmation process for international treaty organization requests is the same as for country requests.

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7.4 This Recommendation does not specify or limit the format of names that can be registered to identify international organizations. However, for the purpose of this Recommendation, a distinction is made between two representations of a name that correspond to a specific arc in the RH-name-tree: a numeric name and an alphanumeric name (see clause 3 for definitions). The following identifies the different registration procedures pertinent to a numeric name and an alphanumeric name registered with the Registration Authority.

7.5 For a request to register a name which includes a numeric name component, the Registration Authority shall assign a value for that numeric name, which is an integer increased sequentially, i.e. plus one above the last assigned integer in that register.

7.6 For a request to register both a numeric and an alphanumeric name components, or either an alphanumeric or a numeric name component, the Registration Authority shall approve such an application through the confirmation process for registration, as specified in 7.7 below. Before confirmation process is initiated, the application shall be scrutinized for errors and a check shall be made to ensure that the requested name is not already registered or undergoing a confirmation process.

7.7 Confirmation process for registration of international organization names

7.7.1 The process specified in this subclause pertains to requests to register an alphanumeric name, numeric name, or alphanumeric and numeric name.

7.7.2 The process by which a country concludes whether to confirm or deny the use of the requested name value in the country is outside the scope of this Recommendation.

7.7.3 The Registration Authority shall communicate the request for confirmation to register an alphanumeric name value to all countries. The Registration Authority shall not request countries, confirmation to be received in less than six months.

7.7.4 In order to register a name as an international organization name below a specific international-org-name-type(n) arc it must be unanimously confirmed by all countries, i.e. if one country objects, the registration of the name value is rejected.

Abstention or absence of a reply from a country (within the period of time specified by the Registration Authority in the request for confirmation) is considered to be a confirmation by that country to use the requested name in that country . Before confirmation process is initiated, the application shall be scrutinized for errors and a check shall be made to ensure that the requested name is not already registered or undergoing a confirmation process.

7.8 The Registration Authority maintains for each registered alphanumeric value a list of countries for which a confirmation has been received, i.e. the countries that confirmed that the specific alphanumeric value may be used within that country for the purpose specified by the pertinent arc in the RH-name-tree.

7.9 A request sent by the Registration Authority to all national registration authorities to confirm a particular alphanumeric name value, shall include at least the following information:

- a) specification and purpose of the arc for which the alphanumeric name value is requested to be registered;
- b) a copy of the registration procedures for the pertinent arc;
- c) the alphanumeric name value that is requested to be registered;
- d) the identity of the requesting country or ITO requesting the registration; and
- e) the date by which the national registration authority is requested to provide a response.

7.10 An application to register an international organization name shall include the following information:

- a) name of country and the national registration authority or international treaty organization submitting the application,
- b) name of requesting organization;
- c) name, postal/electronic mail address, and telephone/facsimile number for the contact point within the requesting organization;

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- d) name and title of the requester;
- e) requested alphanumeric name value (if applicable);
- f) intended use of the requested name; and
- g) statement to the right of the alphanumeric name value (if applicable);
- h) whether the identity of the registrant of the name can be published.

8 Registration authorities

It is within the mandate of the ITU-T and ISO to organize the registration as specified in this Recommendation. In order to do this, ITU-T and ISO appoint, according to their requirements and rules, organizations as the registration authorities for each name type covered by this Recommendation. For each name type there will exist only one registration authority.

A Registration Authority specified in this Recommendation performs an administrative role. For each type of name, a logically separate registration authority performs this role. Only an inter-governmental organization that is immune to national jurisdiction shall be appointed as a registration authority defined by this Recommendation¹⁾. In consequence, a decision of a registration authority is final and not subject to appeal or recourse before any tribunal or court.

Appendix I

Operating procedures for the registration authority of MHS

International and multinational management domain names for use in O/R address (X.400 Addresses)

(This appendix does not form an integral part of this Recommendation)

I.1 Purpose

The purpose of this appendix is to specify registration procedures for the Registration Authority of international administration management domain (ADMD) alphanumeric names and international private management domain (PRMD) alphanumeric names for O/R address (X.400 addresses).

These names are used by implementations of message handling system conforming to the International Telecommunication Union – Telecommunication Standardization Sector (ITU-T) X.400 – Series of Recommendations and the International Organization for Standardization (ISO) / International Electrotechnical Commission (IEC) 10021-1 Standard.

This appendix relates the Message Handling Systems (MHS) standards to the Open Systems Interconnection (OSI) registration procedures.

NOTES

1 This appendix specifies procedures for registering names which are unambiguous within a specified context. For these names to be used in particular types of systems, such as message handling systems, a specification is required for the procedures to specify names and associated registration authorities within concrete protocols. At present, this exists for names registered within a context of a specific country name, which can be used in accordance with this annex in CCITT Rec. F.400/X.400 | ISO/IEC 10021-1.

¹⁾ The entity of the registration authority will be announced when the registration service will be established.

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At present, no specification exists for names registered in accordance with this appendix when the context is such that a country name is not indicated. Therefore, it is not currently possible to use such registered names in this context. Such a specification may be for further study. It is also uncertain whether these procedures would be appropriate for use within CCITT Rec. F.400/X.400 | ISO/IEC 10021-1.

2 Another Recommendation(s) that specifies MTS behaviour for voluntary participation within international management domain name structure may place additional requirements on registrants who intend to use the registered value.

3 The term national registration authority used in this appendix refers to a national registration authority that registers management domain names (PRMDs or ADMDs). The identity of the national registration authority, relative to this Recommendation, is a national matter and is outside the scope of this Recommendation.

I.2 ITU-T and ISO requirements

I.2.1 CCITT Rec. F.400/X.400 | ISO/IEC 10021-1

Management Domain names are used in several elements of MHS protocols specified in CCITT Rec. F.400/X.400 | ISO/IEC 10021-1. Two syntaxes are specified for the international ADMD and international PRMD name values: Numeric String and Printable String. For the purpose of international ADMD and international PRMD name registration, only alphanumeric names containing characters from the Printable String character set will be considered. Compliance with X.400 – Series of Recommendations limits the alphanumeric name length to 16 characters.

The registration of international ADMD and international PRMD name consisting of Printable String characters also provides the registrant with the privilege to use an equivalent name consisting of characters from the Numeric String character set.

NOTE – Printable String syntax consisting solely of digits and spaces have equivalent characters in the Numeric String character set.

Comparison for registration will be case insensitive.

Multiple consecutive spaces will be registered as a single space.

Leading and trailing spaces shall not be registered as part of a name value.

The Registration Authority shall not register the name values of a single space or a single zero.

In accordance with this Recommendation, the procedure for registering Management Domain (MD) names subordinate to the country code is a national matter and is outside the scope of this Recommendation.

I.2.2 CCITT Rec. X.660 | ISO/IEC 9834-1

CCITT Rec. X.660 | ISO/IEC 9834-1 specifies the hierarchical structure within which objects in the OSI environment are registered. In this structure, the Registration Authority that registers international management domain names is identified as follows:

{joint-iso-itu-t(2) registration-procedures(17) international-md(5)}.

I.3 Register of international management domain names

Registration of international management domain names is performed immediately below the following arc:

{joint-iso-itu-t(2) registration-procedures(17) international-md(5)}.

The applicant provides the alphanumeric name value to be registered as described in this appendix.

NOTES

1 International ADMD and international PRMD names are registered in the same name space. PRMD name value allocated in the context of a specific international ADMD name may have the same value as the international ADMD name.

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2 The intent is to use the values registered below the above arc, for example “abc”, within the name structure defined for CCITT Rec. F.400/X.400 | ISO/IEC 10021-1, in order to identify unambiguously the “abc” management domain entity. The string {joint-iso-itu-t(2) registration-procedures(17) international-md(5)} below which the value “abc” is registered, does not have to be used to unambiguously identify the “abc” management domain when used *within* the O/R name structure.

I.4 Use of international ADMD names

A name value to be used as an international ADMD name must be registered with the Registration Authority for international management domain names. The Registration Authority shall make the list of registered international ADMD names available to the national registration authorities.

I.5 Use of international PRMD names

A name value to be used as an international PRMD name must be registered with the Registration Authority for international management domain names. The Registration Authority shall make the list of registered international PRMD names available to the national registration authorities.

I.6 Registration procedures

This subclause specifies the registration procedures for processing requests to register management domain names. These procedures are designed to assure openness and due process in the registration of management domain names.

I.6.1 Application for registration

To request registration of an international ADMD name or international PRMD name, a national registration authority shall submit a written request for registration of an international management domain name on behalf of the applicant. International treaty organizations shall submit the application directly to the Registration Authority. The content of the application form is described in I.8.1.

Upon successful completion of the procedures specified in this Recommendation, the registered name is recorded as an alphanumeric value supplied by the applicant as constrained by the rules in I.2.1. If the applicant desires multiple names, multiple applications must be submitted.

I.6.2 Review of application

I.6.2.1 Procedure

A registration application shall be submitted by a national registration authority on behalf of an applicant from the country or by an International Treaty Organization (ITO). The application shall specify the appropriate information as described in I.8.1. Each application shall be reviewed as specified below.

For the application to be processed, the registration application shall contain a signed statement asserting the applicant’s right to the name because an alphanumeric name value may have meaning outside the registration process. If the statement is missing, the application shall be rejected specifying the absence of the signed statement as the reason for rejection. The use of such a statement, while it may be helpful, for example, for a country challenge process, is outside the scope of these procedures. In the context of registration with the Registration Authority, this statement is collected for recording purposes only.

If the application does not contain the information specified in I.8.1, the application shall be rejected specifying this as the reason for rejection.

If a new application arrives for an alphanumeric name value that has already been requested, but the previous request has not yet been confirmed, the following process is followed:

- 1) If the new application arrives before the confirmation process for the previous application has started, then both applications are rejected specifying this cause as the reason for rejection.
- 2) If the new application arrives after the confirmation process for the previous application has started, then the new application is put on hold until confirmation process for the previous application is completed. If the confirmation is successful, then the new application is rejected specifying this clause as the reason for rejection. If the confirmation is not successful, then the new application continues with the confirmation process.

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If the application contains the required information, the application will be processed for confirmation in each country according to the procedures specified in 7.7.

I.6.2.2 Response time

The Registration Authority may batch several applications for registration and communicate the request for confirmation to the national registration authorities, as specified in this Recommendation. The Registration Authority shall not delay the beginning of the confirmation process for more than 2 months for any application submitted to the Registration Authority. Review of the application under the procedures of I.6.2.1 will be completed within 10 working days from the receipt of the application, to the extent practical.

I.6.2.3 Rejection of unprocessable applications

An application is unprocessable if there is an error in the requested name value of the application, as it does not comply with registration requirements specified in I.2.1.

Unprocessable application is rejected by sending a rejection notification as specified in I.8.6.

I.6.3 Assignment of international management domain name

The applicant shall supply the desired alphanumeric international management domain name value. If the name value does not meet the rules specified in I.2.1, then the request is unprocessable and will be rejected, as specified in I.8.6, indicating the reason for rejection. A paired numeric value is assigned according to 7.5.

The requested value shall be compared against all other alphanumeric values recorded in the international management domain name register. If the value is a duplicate, the request will be rejected, as specified in I.8.6, indicating the reason for rejection. If the supplied value is not a duplicate, it shall be entered into the country's review list together with the numeric value assigned by the Registration Authority. This list shall be published.

The country's review period is at least six month. The beginning and final dates of the country review period shall be published. A notice of the publication of the supplied alphanumeric international management domain name value shall be sent to the applicant within 20 working days, to the extent practical.

After the country's review period is complete, and the response is a unanimous confirmation from all the countries, as specified in 7.7.4, the alphanumeric name value will be removed from the country's review list and placed in the international management domain names register, together with its counterpart the numeric name value, if applicable. The registration information shall be sent to the applicant within 10 working days after the close of the period, which conveys the successful completion of the registration process.

If an application is submitted to the Registration Authority to register a name that is already in the confirmation process for another applicant, the new application shall be rejected indicating this as a reason.

I.7 Maintenance of register

The Registration Authority shall maintain an electronic register of international management domain names, together with the required information specified in this Recommendation.

The Registration Authority is responsible for defining its own internal procedures for handling the duties of the Registration Authority.

As the result of decisions outside the scope of these registration procedures, the ownership of the international name may be transferred. An official of the registered international organization shall request the registration authority to update the information.

If an official of the registered organization does not exist, then only the country or ITO that applied on behalf of the registered organization can request the Registration Authority to update the registered information.

Of all the information elements associated with a registered international management domain name, the allocated name values, the initial requesting organization name and address, the initial requestor name and title, and the initial date of registration shall not be updated. All other information elements may be updated by the registration authority as requested by an official of the registered international organization.

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A country may request to mark in the register entry a particular registered international MD name as *invalid*, i.e. unusable in his country state. Such a request could result from a challenge process at the national level or a determination of a country court that someone's intellectual property rights have been violated. Such a request, based on new information not available at the pertinent countries Review process, will be generally granted. However, such an *invalid* mark will be posted in the pertinent entry at least one year after approving such a request, to allow for sufficient time to modify applications to an alternate name. Once a name is marked *invalid* in the registry entry it is unusable in a particular country, that name cannot be used in that country. The Registration Authority shall promulgate this information to all the countries as soon as the request to post such an *invalid* mark is granted.

A country or ITO may request to mark a particular registered international MD name as *inactive*, i.e., unusable within all countries. Confirmation of such a request requires unanimous confirmation by all countries, where unanimous confirmation is as specified in 7.7.4. However, such a mark will be posted in the pertinent entry at least one year after such a request is unanimously confirmed, to allow for sufficient time to modify applications to an alternate name. Once a name is marked in the registry entry as *inactive*, the name cannot be used in any country. The Registration Authority shall promulgate this information to all the countries as soon as the request to post such a mark is granted.

NOTE – An international ADMD name value that has been marked *invalid* in a particular country or marked *inactive* and has been used to create a PRMD name registration authority, may have adverse effects on those PRMDs registered subordinate to that international ADMD name.

After the Registration Authority has made the requested modifications, it shall send a copy of the contents of the entry to the requestor.

I.7.1 Inquiry

An inquiry service shall be available from the registration authority. This service is available to allow potential applicants for international MD names to determine if the name has already been registered. To make an inquiry, an organization shall submit an inquiry request whose information elements are specified in I.8.1 to the registration authority. The Registration Authority shall return a response that the name is:

- a) not registered;
- b) already registered;
- c) under countries review; or
- d) is marked, if any, as *invalid* or *inactive*.

If the identity of the international organization associated with b) or c) was not requested to be concealed by the registrant of that name, the response shall identify that organization. The response shall be generated by the Registration Authority within 10 working days of the receipt of the inquiry, to the extent practical.

I.7.2 Publication

A publication service shall be available to provide copies of subsets of the database of registered international MD names and associated information elements. The registration entry information of those applicants who have not authorized release of information shall not be made available.

To request information from the database, an organization or individual shall submit a publication request whose data elements are specified in I.8.9 to the Registration Authority.

The Registration Authority shall return the requested information in an appropriate form (e.g. hard copy or electronic). The time required for response will vary depending upon the complexity of the registration entry selection criteria and the amount of data extracted.

I.8 Content of forms

This subclause specifies the information required for forms used by the registration authority to conduct the registration process.

I.8.1 Registration application

The application shall include the following information:

- 1) name of country or international treaty organization submitting the application;

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- 2) name of requesting organization;
- 3) name, postal/electronic mail address, and telephone/facsimile number for the contact point within the requesting organization;
- 4) name and title of the requestor;
- 5) requested alphanumeric management domain name value;
- 6) intended use of the management domain name (ADMD or PRMD); and
- 7) statement to the right of the alphanumeric MD name value;
- 8) whether the identity of the registrant of the name can be published.

I.8.2 Request for confirmation

The request for confirmation sent by the Registration Authority to all national registration authorities shall include the following information:

- 1) beginning date of the confirmation period;
- 2) end date of the confirmation period (response due date);
- 3) the requested PRMD and/or ADMD names;
- 4) the identity of the requesting country and the organization requesting the registration; and
- 5) a copy of this Recommendation including this appendix.

I.8.3 Member's response to a request for confirmation

A national registration authority shall include in its response to a Registration Authority request for confirmation the following information:

- 1) confirmation or denial of the requested ADMD or PRMD name to be used in the country; and
- 2) comments and supporting information (optional), e.g. explaining the reasons for denial.

I.8.4 Notification

A Notification is sent to the applicant when the requested alphanumeric name value is entered into the confirmation period. Notification includes the following information:

- 1) beginning date of the confirmation period;
- 2) end date of the confirmation period (country's response due date); and
- 3) the requested PRMD and/or ADMD names.

I.8.5 Registration announcement

This registration announcement is used to inform the applicant that his requested alphanumeric value has been unanimously confirmed and that this value has been registered. This announcement shall include the following information:

- 1) name of country or ITO submitting the application (optional if not submitted through a country);
- 2) name of requesting organization;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization;
- 4) name and title of the requestor;
- 5) confirmed alphanumeric management domain name value and the list of countries that approved the use of the name value in their country; and
- 6) type of the management domain name (ADMD or PRMD) for which it was approved.

I.8.6 Notice of rejection

Notice of Rejection informs the applicant that the application is rejected. This notice shall include the following information:

- 1) name of country or ITO submitting the application;

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- 2) name of requesting organization;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization;
- 4) name and title of the requestor;
- 5) requested alphanumeric management domain name value; and
- 6) reason for rejection, as follows:
 - a) at least one country rejected the requested name;
 - b) the requested name is already registered; and/or
 - c) there is an error in the requested name value or the application (does not adhere to registration requirements).

I.8.7 Inquiry request

Inquiry request service is provided to allow potential applicants to determine if a name has already been registered. It includes the following information:

- 1) requesting organization name;
- 2) requesting organization address;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization; and
- 4) queried alphanumeric MD name value.

I.8.8 Inquiry response

Inquiry response includes the following information:

- 1) requesting organization name;
- 2) requesting organization address;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization;
- 4) queried alphanumeric MD name value;
- 5) status of queried alphanumeric MD name value (already registered or in confirmation process); and
- 6) whether the name value is available for registration.

I.8.9 Publication request and response

Publication request service is provided to obtain information from the registry database. The request and response shall include the following information:

- 1) requesting organization name;
- 2) requesting organization address;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization; and
- 4) the selection criteria that will be used to select entries from which information will be extracted.

For entries matching the criteria, the response shall include the following information.

- 1) MD name; and
- 2) registrant information: organization name, address, point of contact, and intended usage (ADMD or PRMD).

I.8.10 Registration entry

The following specifies the required information for each entry of the registration database (registry):

- 1) name of initial requesting country (will not change/optional if not submitted by a country);

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- 2) name of initial requesting organization (will not change);
- 3) name, postal/electronic mail address, and telephone/facsimile number for the contact point within the initial requesting organization;
- 4) name and title of the initial requestor (will not change);
- 5) date of initial registration (will not change);
- 6) name of current country or ITO;
- 7) name of the current registered organization;
- 8) name, postal/electronic mail address, and telephone/facsimile number for the contact point for the current registered organization;
- 9) name and title for the current registered MD name requestor;
- 10) date of registration (last update);
- 11) information publishable (yes or not);
- 12) registered alphanumeric MD name value; and
- 13) usage (ADMD or PRMD name).

I.8.11 Request for update (transfer of name, etc.)

Any change in an entry requested from the Registration Authority by an applicant shall provide all the information relevant to that entry to be changed (current owner, use, contact point, etc., as in I.8.10) and the new information to be registered, and the date the change will be effective.

Appendix II

International and multinational organization names registration procedures for use in directory distinguished names

(This appendix does not form an integral part of this Recommendation)

II.1 Purpose

The purpose of this appendix is to specify registration procedures for the Registration Authority of international organization alphanumeric names for use in X.500 directory distinguished names.

These names are used by implementations of directories conforming to the International Telecommunication Union – Telecommunication Standardization Sector (ITU-T) X.500 – Series of Recommendations and the International Organization for Standardization (ISO) / International Electrotechnical Commission (IEC) 9594-1 Standard.

This appendix relates to the directory system standards with the Open Systems Interconnection (OSI) registration procedures.

NOTES

1 Another Recommendation(s) that specifies DSA behaviour for voluntary participation within international organization name structure may place additional requirements on registrants who intend to use the registered value.

If an organization is registered directly under the root the DSA holding that entry becomes a first level DSA and must maintain knowledge of how to reach every other first-level DSA in a global Directory. Explanation in more detail is given in 18.5 of ITU-T Rec. X.501 | ISO/IEC 9594-2.

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2 The term national registration authority used in this appendix refers to a national registration authority that registers organization names for directory application. The identity of the national registration authority, relative to this Recommendation, is a national matter and is outside the scope of this Recommendation.

II.2 ITU-T and ISO requirements

II.2.1 ITU-T Rec. X.500 | ISO/IEC 9594-1

Organization names are used in several elements of directory services specified in ITU-T Rec. X.500 | ISO/IEC 9594-1 Series of Recommendations. Three syntaxes are specified for the organization name values: teletexString, printableString, and universalString. For the purpose of international organization name registration, only alphanumeric names containing characters from the Printable String character set will be considered. Compliance with X.500 – Series of Recommendations limit the alphanumeric names to 64 characters.

Comparison for registration will be case insensitive.

Multiple consecutive spaces will be registered as a single space.

Leading and trailing spaces shall not be registered as part of a name value.

In accordance with this Recommendation, the procedure for registering organization names subordinate to the country code is a national matter and is outside the scope of these procedures.

II.2.2 CCITT Rec. X.660 | ISO/IEC 9834-1

CCITT X.660 | ISO/IEC 9834-1 specifies the hierarchical structure within which objects in the OSI environment are registered. In this structure, the registration authority that registers international organization names is identified as follows:

{joint-iso-itu-t(2) registration-procedures(17) international-organization(6)}.

II.3 Register of international organization names

Registration of international organization names is performed immediately below the following arc:

{joint-iso-itu-t(2) registration-procedures(17) international-organization(6)}.

The applicant provides the alphanumeric name value to be registered as described in this appendix.

NOTE – The intent is to use the values registered below the above arc, for example “abc”, within the name structure defined for ITU-T Rec. X.500 | ISO/IEC 9594-1, in order to identify unambiguously the “abc” organization entity. The string {joint-iso-itu-t(2) registration-procedures(17) international-organization(6)} below which the value “abc” is registered, does not have to be used to unambiguously identify the “abc” management domain when used *within* the directory name structure.

II.4 Use of international organization names

A name value to be used as an international organization name must be registered with the international organization name register. The Registration Authority shall make the list of registered international organization names available to the national registration authorities.

II.5 International organization names and relative distinguished names

The Relative Distinguished Name of an internationally registered organization name is:

organizationName OrganizationName ::= name

II.6 Registration procedures

This subclause specifies the registration procedures for processing requests to register international organization names. These procedures are designed to assure openness and due process in the registration of international organization names.

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II.6.1 Application for registration

To request registration of an international organization name, a national registration authority shall submit a written request for registration of the international organization name on behalf of the applicant. The content of the application form is described in II.8.1.

Upon successful completion of the procedures set forth in this Recommendation, the registered name is recorded as an alphanumeric value supplied by the applicant as constrained by the rules in II.2.1. If the applicant desires multiple names, multiple applications must be submitted.

II.6.2 Review of application

II.6.2.1 Procedure

A registration application shall be submitted by a national registration authority on behalf of an applicant from the Member state, or by an International Treaty Organization (ITO). The application shall specify the appropriate information as described in II.8.1. Each application shall be reviewed as specified below.

For the application to be processed the registration application shall contain a signed statement asserting the applicant's right to the name, because an alphanumeric name value may have meaning outside the registration process. If the statement is missing, the application shall be rejected specifying the absence of the signed statement as the reason for rejection. The use of such a statement, while it may be helpful, for example, for a counter challenge process, is outside the scope of these procedures. In the context of registration with the Registration Authority, this statement is collected for recording purposes only.

If the application does not contain the information specified in II.8.1, the application shall be rejected specifying this as the reason for rejection.

If a new application arrives for an alphanumeric name that has already been requested, but the previous request has not yet been confirmed, the following process is followed:

- 1) If the new application arrives before the confirmation process for the previous application has started, then both applications are rejected, specifying this clause as the reason for rejection.
- 2) If the new application arrives after the confirmation process for the previous application has started, then the new application is put on hold until the confirmation process for the previous application is complete. If the confirmation is successful, then the new application is rejected specifying this clause as the reason for rejection. If the confirmation is not successful, then the new application continues with the confirmation process.

If the application contains the required information, the application will be processed for confirmation in each country according to the procedures specified in 7.7.

II.6.2.2 Response time

The Registration Authority may batch several applications for registration and communicate the request for confirmation to the national registration authorities, as specified in this Recommendation. The Registration Authority shall not delay the beginning of the confirmation process for more than 2 months for any application submitted to the Registration Authority. Review of the application under the procedures of II.6.2.1 will be completed within 10 working days from the receipt of the application, to the extent practical.

II.6.2.3 Rejection of unprocessable applications

An application is unprocessable if there is an error in the requested name value of the application, as it does not comply with registration requirements specified in II.2.1.

Unprocessable application is rejected by sending a rejection notification as specified in II.8.6.

II.6.3 Assignment of international organization name

The applicant shall supply the desired alphanumeric international organization name value. If the name value does not meet the rules specified in II.2.1, then the request is unprocessable and will be rejected, as specified in II.6.2.3 indicating the reason for rejection. A paired numeric value is assigned according to 7.5.

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The requested value shall be compared against all other alphanumeric values recorded in the international organization name register. If the value is a duplicate, the request will be rejected, as specified in II.6.2.3, indicating the reason for rejection. If the supplied value is not a duplicate it shall be entered into the country's review list, together with the numeric value assigned by the Registration Authority. This list shall be published.

The country's review period is at least six months. The beginning and final dates of the Member review period shall be published. A notice of the publication of the supplied alphanumeric international organization name value shall be sent to the applicant within 20 working days, to the extent practical.

After the country's review period is complete, and the response is a unanimous confirmation from all the countries, as specified in 7.7.4, the alphanumeric name value will be removed from the country's review list and placed in the international organization names register, together with its counterpart the numeric name value, if applicable. The registration information shall be sent to the applicant within 10 working days after the close of the period, which conveys the successful completion of the registration process.

If an application is submitted to the Registration Authority to register a name that is already in the confirmation process for another applicant, the new application shall be rejected indicating this as a reason.

II.7 Maintenance of register

The registration authority shall maintain an electronic register of international organization names, together with the required information specified in this Recommendation.

The registration authority is responsible for defining its own internal procedures for handling the duties of the registration authority.

As the result of decisions outside the scope of these registration procedures, the ownership of the international organization name may be transferred. An official of the registered organization shall request the registration authority to update the information.

If an official of the registered organization does not exist, then only the Member or ITO that applied on behalf of the registered organization can request the Registration Authority to update the registered information.

Of all the information elements associated with a registered international organization name, the allocated name values, the initial requesting organization name and address, the initial requestor name and title, and the initial date of registration shall not be updated. All other information elements may be updated by the registration authority as requested by an official of the registered organization.

A Member may request to mark in the register entry a particular registered international MD name as *invalid*, i.e. unusable in his country. Such a request could result from a challenge process at the national level or a determination of a country court that someone's intellectual property rights have been violated. Such a request, based on new information not available at the pertinent country's Review process, will be generally granted. However, such an *invalid* mark will be posted in the pertinent entry at least one year after approving such a request, to allow for sufficient time to modify applications to an alternate name. Once a name is marked *invalid* in the registry entry it is unusable in a particular country, that name cannot be used in that country. The Registration Authority shall promulgate this information to all the countries as soon as the request to post such an *invalid* mark is granted.

A Member or ITO may request to mark a particular registered international MD name as *inactive*, i.e. unusable within all countries. Confirmation of such a request requires unanimous confirmation by all the countries, where unanimous confirmation is as specified in 7.7.4. However, such a mark will be posted in the pertinent entry at least one year after such a request is unanimously confirmed, to allow for sufficient time to modify applications to an alternate name. Once a name is marked in the registry entry as *inactive*, the name cannot be used in any country. The Registration Authority shall promulgate this information to all the countries as soon as the request to post such a mark is granted.

Of all the information elements associated with a registered international management domain name, the initial requesting organization name and address, the initial requestor name and title, and the initial date of registration shall not be updated. All other information elements may be updated by the registration authority as requested by an official of the registered international organization.

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After the registration authority has made the requested modifications, it shall send a copy of the contents of the entry to the requestor.

II.7.1 Inquiry

An inquiry service shall be available from the registration authority. This service is available to allow potential applicants for international organization name to determine if the name has already been registered. To make an inquiry, an organization shall submit an inquiry request whose information elements are specified in II.8.1 to the registration authority. The Registration Authority shall return a response that the name is:

- a) not registered;
- b) already registered;
- c) under Countries' Review; or
- d) is marked, if any, as *invalid* or *inactive*.

The response shall identify the organization associated with a) or b) within 10 working days of the receipt of the inquiry, to the extent practical.

II.7.2 Publication

A publication service shall be available to provide copies of subsets of the database of registered international organization names and associated information elements. The registration entry information of those applicants who have not authorized release of information shall not be made available.

To request information from the database, an organization or individual shall submit a publication request whose data elements are specified in clause II.8.9 to the Registration Authority.

The Registration Authority shall return the requested information in an appropriate form (e.g. hard copy or electronic). The time required for response will vary depending upon the complexity of the registration entry selection criteria and the amount of data extracted.

II.8 Content of forms

This subclause specifies the information required for forms used by the registration authority to conduct the registration process.

II.8.1 Registration application

The application shall include the following information:

- 1) name of country submitting the application (optional if not submitted by a country);
- 2) name of requesting organization;
- 3) name, postal/electronic mail address, and telephone/facsimile number for the contact point within the requesting organization;
- 4) name and title of the requestor;
- 5) requested alphanumeric international organization name value; and
- 6) statement to the right of the alphanumeric international organization name value;
- 7) whether the identity of the registrant of the name can be published.

II.8.2 Request for confirmation

The request for confirmation sent by the Registration Authority to all national registration authorities shall include the following information:

- 1) beginning date of the confirmation period;
- 2) end date of the confirmation period (response due date);
- 3) the requested international organization names;
- 4) the identity of the requesting country and the organization requesting the registration; and
- 5) a copy of this Recommendation including this appendix.

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II.8.3 Member's response to a request for confirmation

A national registration authority shall include in its response to a Registration Authority request for confirmation the following information:

- 1) confirmation or denial of the requested ADMD or PRMD name to be used in the country; and
- 2) comments and supporting information (optional), e.g. explaining the reasons for denial.

II.8.4 Notification

A Notification is sent to the applicant when the requested alphanumeric name value is entered into the confirmation period. Notification includes the following information:

- 1) beginning date of the confirmation period;
- 2) end date of the confirmation period (country's response due date); and
- 3) the requested international organization names.

II.8.5 Registration announcement

This registration announcement is used to inform the applicant that his requested alphanumeric value has been unanimously confirmed and that this value has been registered. This announcement shall include the following information:

- 1) name of country or ITO submitting the application;
- 2) name of requesting organization;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization;
- 4) name and title of the requestor; and
- 5) confirmed alphanumeric international organization name value and the list of countries that approved the use of the name value in their country.

The Relative Distinguished name registered should be given in the announcement.

II.8.6 Notice of rejection

Notice of Rejection informs the applicant that the application is rejected. This notice shall include the following information:

- 1) name of country or ITO submitting the application;
- 2) name of requesting organization;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization;
- 4) name and title of the requestor;
- 5) requested alphanumeric international organization name value; and
- 6) reason for rejection, as follows:
 - a) at least one country rejected the requested name;
 - b) the requested name is already registered; and/or
 - c) there is an error in the requested name value or the application (does not adhere to registration requirements).

II.8.7 Inquiry request

Inquiry request service is provided to allow potential applicants to determine if a name has already been registered. It includes the following information:

- 1) requesting organization name;
- 2) requesting organization address;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization; and
- 4) queried alphanumeric international organization name value.

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II.8.8 Inquiry response

Inquiry response includes the following information:

- 1) requesting organization name;
- 2) requesting organization address;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization;
- 4) queried alphanumeric international organization name value; and
- 5) status of queried alphanumeric international organization name value (already registered, in confirmation process, or not in use);
- 6) whether the name value is available for registration.

II.8.9 Publication request and response

Publication request service is provided to obtain information from the registry database. The request and response shall include the following information:

- 1) requesting organization name;
- 2) requesting organization address;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization; and
- 4) the selection criteria that will be used to select entries from which information will be extracted.

For entries matching the criteria, the response shall include the following information:

- 1) international organization name; and
- 2) registrant information: organization name, address, point of contact.

II.8.10 Registration entry

The following specifies the required information for each entry of the registration database (registry):

- 1) name of initial requesting country or ITO;
- 2) name of initial requesting organization (will not change);
- 3) name, postal/electronic mail address, and telephone/facsimile number for the contact point within the initial requesting organization (will not change);
- 4) name and title of the initial requestor (will not change);
- 5) date of initial registration (will not change);
- 6) name of current country or ITO;
- 7) name of the current registered organization;
- 8) name, postal/electronic mail address, and telephone/facsimile number for the contact point for the current registered organization (will not change);
- 9) name and title for the current registered international organization name requestor;
- 10) date of registration (last update);
- 11) information publishable (yes or not);
- 12) registered alphanumeric international organization name value.

II.8.11 Request for update (transfer of name, etc.)

Any change in an entry requested from the Registration Authority by an applicant shall provide all the information relevant to that entry to be changed (current owner, use, contact point, etc., as in II.8.10) and the new information to be registered, and the date the change will be effective.

Superseded by a more recent version

Appendix III

Operating procedures for the registration authority of international ASN.1 names

(This appendix does not form an integral part of this Recommendation)

III.1 Purpose

The purpose of this appendix is to specify registration procedures for the Registration Authority of international ASN.1 names.

These names are specified in ITU-T Rec. X.680 | ISO/IEC 8824-1.

NOTE – The term national registration authority used in this appendix refers to a national registration authority that registers ASN.1 values. The identity of the national registration authority, relative to this Recommendation, is a national matter and is outside the scope of this Recommendation.

III.2 ITU-T and ISO requirements

III.2.1 ITU-T Rec.X.680 | ISO/IEC 8824-1

ITU-T Rec.X.680 | ISO/IEC 8824-1 specified requirements for NameForm and NumberForm values apply to the allocation of name values according to this Recommendation.

III.2.2 CCITT Rec. X.660 | ISO/IEC 9834-1

CCITT Rec. X.660 | ISO/IEC 9834-1 specifies the hierarchical structure within which objects in the OSI environment are registered. In this structure, the Registration Authority that registers international ASN.1 names is identified as follows:

{joint-iso-itu-t(2) registration-procedures(17) asn-1(3)}.

The value registered with the international registration authority can be used in the following ASN.1 string:

{joint-iso-itu-t(2) registration-procedures(17) asn-1(3) international-name-value(n)}.

New values added by the subauthority, below the international registration authority, can be concatenated to the above string, such as:

{joint-iso-itu-t(2) registration-procedures(17) asn-1(3) international-name-value(n) managed-objects(x)}.

III.3 Registration procedures

This subclause specifies the registration procedures for processing requests to register international ASN.1 names. These procedures are designed to assure openness and due process in the registration of international ASN.1 names.

III.3.1 Application for registration

To request registration of an international ASN.1 name, a national registration authority shall submit a written request for registration of an international ASN.1 name on behalf of the applicant. International treaty organizations shall submit the application directly to the Registration Authority. The content of the application form is described in III.5.

Upon successful completion of the procedures specified in this Recommendation, the registered name is recorded. If the applicant desires multiple names, multiple applications must be submitted.

III.3.2 Review of application

III.3.2.1 Procedure

A registration application shall be submitted by a national registration authority on behalf of an applicant from the country or by an International Treaty Organization (ITO). The application shall specify the appropriate information as described in III.5.1. Each application shall be reviewed as specified below.

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If the application does not contain the information specified in III.5.1, the application shall be rejected specifying this as the reason for rejection.

If the application contains the required information, the application will be processed for confirmation in each country according to the procedures specified in 7.7.

III.3.2.2 Response time

The Registration Authority may batch several applications for registration and communicate the request for confirmation to the national registration authorities, as specified in this Recommendation. The Registration Authority shall not delay the beginning of the confirmation process for more than 2 months for any application submitted to the Registration Authority. Review of the application under the procedures of III.3.2.1 will be completed within 10 working days from the receipt of the application, to the extent practical.

III.3.2.3 Rejection of unprocessable applications

An application is unprocessable if there is an error in the requested name value of the application, as it does not comply with registration requirements specified in III.2.1. Unprocessable application is rejected by sending a rejection notification as specified in III.5.6.

III.3.3 Assignment of international ASN.1 name

The Registration Authority assigns a numeric value for the ASN.1 name. The assigned value shall not be a duplicate. The value shall be entered into the country's review list. This list shall be published.

The country's review period is at least six months. The beginning and final dates of the Member review period shall be published. A notice of the publication of the international ASN.1 name value shall be sent to the applicant within 20 working days, to the extent practical.

After the country's review period is complete, and the response is a unanimous confirmation from all the countries, as specified in 7.7.4, the international ASN.1 name value will be removed from the country's review list and placed in the international ASN.1 names register, together with its counterpart the numeric name value, if applicable. The registration information shall be sent to the applicant within 10 working days after the close of the period, which conveys the successful completion of the registration process.

III.4 Maintenance of register

The Registration Authority shall maintain an electronic register of international ASN.1 names, together with the required information specified in this Recommendation.

The Registration Authority is responsible for defining its own internal procedures for handling the duties of the Registration Authority.

As the result of decisions outside the scope of these registration procedures, the ownership of the international name may be transferred. An official of the registered international organization shall request the registration authority to update the information.

If an official of the registered organization does not exist, then only the country or ITO that applied on behalf of the registered organization can request the Registration Authority to update the registered information.

Of all the information elements associated with a registered international ASN.1 name, the initial requesting organization name and address, the initial requestor name and title, and the initial date of registration shall not be updated. All other information elements may be updated by the registration authority as requested by an official of the registered international organization.

A country may request to mark in the register entry a particular registered international ASN.1 name as *invalid*, i.e. unusable in his country. Such a request could result from a challenge process at the national level or a determination of a country court that someone's intellectual property rights have been violated. Such a request, based on new information not available at the pertinent countries Review process, will be generally granted. However, such an *invalid* mark will be posted in the pertinent entry at least one year after approving such a request, to allow for sufficient time to modify applications to an alternate name. Once a name is marked *invalid* in the registry entry it is unusable in a particular country, that name cannot be used in that country. The Registration Authority shall promulgate this information to all the countries as soon as the request to post such an *invalid* mark is granted.

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A Member or ITO may request to mark a particular registered international ASN.1 name as *inactive*, i.e. unusable within all countries. Confirmation of such a request requires unanimous confirmation by all countries, where unanimous confirmation is as specified in 7.7.4. However, such a mark will be posted in the pertinent entry at least one year after such a request is unanimously confirmed, to allow for sufficient time to modify applications to an alternate name. Once a name is marked in the registry entry as *inactive*, the name cannot be used in any country. The Registration Authority shall promulgate this information to all the countries as soon as the request to post such a mark is granted.

NOTE – An international ASN.1 name value that has been marked *invalid* or marked *inactive* in a particular country, and has been used to create a subauthority, may have adverse effects on those ASN.1 registered values with the subauthority.

Of all the information elements associated with a registered ASN.1 Name, the initial requesting organization name and address, the initial requestor name and title, and the initial date of registration shall not be updated.

After the Registration Authority has made the requested modifications, it shall send a copy of the contents of the entry to the requestor.

III.4.1 Inquiry

An inquiry service shall be available from the registration authority. This service is available to allow potential applicants for international ASN.1 Names to determine if the name has already been registered. To make an inquiry, an organization shall submit an inquiry request whose information elements are specified in III.5.1 to the registration authority. The Registration Authority shall return a response that the name is:

- a) already registered;
- b) under Countries Review; or
- c) is marked, if any, as *invalid* or *inactive*.

The response shall identify the international organization associated with a) or b) within 10 working days of the receipt of the inquiry, to the extent practical.

III.4.2 Publication

A publication service shall be available to provide copies of subsets of the database of registered international ASN.1 names and associated information elements. The registration entry information of those applicants who have not authorized release of information shall not be made available.

To request information from the database, an organization or individual shall submit a publication request whose data elements are specified in III.5 to the Registration Authority.

The Registration Authority shall return the requested information in an appropriate form (e.g. hard copy or electronic). The time required for response will vary depending upon the complexity of the registration entry selection criteria and the amount of data extracted.

III.5 Content of forms

This subclause specifies the information required for forms used by the registration authority to conduct the registration process.

III.5.1 Registration application

The application shall include the following information:

- 1) name of country or international treaty organization submitting the application;
- 2) name of requesting organization;
- 3) name, postal/electronic mail address, and telephone/facsimile number for the contact point within the requesting organization;
- 4) name and title of the requestor;
- 5) intended use of the ASN.1 name; and
- 6) statement to the right of the international ASN.1 name value.

III.5.2 Request for confirmation

The request for confirmation sent by the Registration Authority to all national registration authorities shall include the following information:

- 1) beginning date of the confirmation period;

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- 2) end date of the confirmation period (response due date);
- 3) the identity of the requesting country and the organization requesting the registration; and
- 4) a copy of this Recommendation including this appendix.

III.5.3 Member's response to a request for confirmation

A national registration authority shall include in its response to a Registration Authority request for confirmation the following information:

- 1) confirmation or denial of the requested ASN.1 name to be used in the country; and
- 2) comments and supporting information (optional), e.g. explaining the reasons for denial.

III.5.4 Notification

A Notification is sent to the applicant when the requested international ASN.1 name value is entered into the confirmation period. Notification includes the following information:

- 1) beginning date of the confirmation period;
- 2) end date of the confirmation period (country's response due date); and
- 3) the international ASN.1 names.

III.5.5 Registration announcement

This registration announcement is used to inform the applicant that his requested value has been unanimously confirmed and that this value has been registered. This announcement shall include the following information:

- 1) name of country or ITO submitting the application (optional if not submitted through a country);
- 2) name of requesting organization;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization;
- 4) name and title of the requestor;
- 5) confirmed international ASN.1 name value and the list of countries that approved the use of the name value in their country; and
- 6) type of the ASN.1 name or which it was approved.

III.5.6 Notice of rejection

Notice of Rejection informs the applicant that the application is rejected. This notice shall include the following information:

- 1) name of country or ITO submitting the application;
- 2) name of requesting organization;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization;
- 4) name and title of the requestor;
- 5) reason for rejection, as follows:
 - a) at least one country rejected the requested name;
 - b) the requested name is already registered; and/or
 - c) there is an error in the requested name value or the application (does not adhere to registration requirements).

III.5.7 Inquiry request

Inquiry request service is provided to allow potential applicants to determine if a name has already been registered. It includes the following information:

- 1) requesting organization name;
- 2) requesting organization address;

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- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization; and
- 4) queried international ASN.1 name value.

III.5.8 Inquiry response

Inquiry response includes the following information:

- 1) requesting organization name;
- 2) requesting organization address;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization;
- 4) queried international ASN.1 name value;
- 5) status of queried international ASN.1 name value (already registered or in confirmation process); and
- 6) whether the name value is available for registration.

III.5.9 Publication request and response

Publication request service is provided to obtain information from the registry database. The request and response shall include the following information:

- 1) requesting organization name;
- 2) requesting organization address;
- 3) name, postal/electronic mail address, and telephone/facsimile number of the contact point within the requesting organization; and
- 4) the selection criteria that will be used to select entries from which information will be extracted.

For entries matching the criteria, the response shall include the following information.

- 1) international ASN.1 name; and
- 2) registrant information: organization name, address, point of contact, and intended usage.

III.5.10 Registration entry

The following specifies the required information for each entry of the registration database (registry):

- 1) name of initial requesting country (will not change/optional if not submitted by a country);
- 2) name of initial requesting organization (will not change);
- 3) name, postal/electronic mail address, and telephone/facsimile number for the contact point within the initial requesting organization (will not change);
- 4) name and title of the initial requestor (will not change);
- 5) date of initial registration (will not change);
- 6) name of current country or ITO;
- 7) name of the current registered organization;
- 8) name, postal/electronic mail address, and telephone/facsimile number for the contact point for the current registered organization (will not change);
- 9) name and title for the current registered ASN.1 name requestor;
- 10) date of registration (last update);
- 11) information publishable (yes or not);
- 12) registered international ASN.1 name value; and
- 13) usage (name).

III.5.11 Request for update (transfer of name, etc.)

Any change in an entry requested from the Registration Authority by an applicant shall provide all the information relevant to that entry to be changed (current owner, use, contact point, etc., as in III.5.10) and the new information to be registered, and the date the change will be effective.