



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

X.750

Amendment 1
(10/97)

SERIES X: DATA NETWORKS AND OPEN SYSTEM
COMMUNICATIONS

OSI management – Management functions and ODMA
functions

Information technology – Open Systems
Interconnection – Systems management:
Management knowledge management function

**Amendment 1: Extension for General
Relationship Model**

ITU-T Recommendation X.750 – Amendment 1

(Previously CCITT Recommendation)

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INTERNATIONAL STANDARD 10164-16

ITU-T RECOMMENDATION X.750

**INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –
SYSTEMS MANAGEMENT: MANAGEMENT KNOWLEDGE
MANAGEMENT FUNCTION**

AMENDMENT 1

Extension for General Relationship Model

Source

The ITU-T Recommendation X.750, Amendment 1 was approved on the 24th of October 1997. The identical text is also published as ISO/IEC International Standard 10164-16.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the 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.

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

NOTE

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

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INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

**INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –
SYSTEMS MANAGEMENT: MANAGEMENT KNOWLEDGE
MANAGEMENT FUNCTION****AMENDMENT 1****Extension for General Relationship Model****1) Subclause 3.6**

Add references to these SMO-defined terms inserted among existing terms in alphabetical order:

- e) managed object class

and renumber the list as from the existing e) which becomes f), to the end.

2) Subclause 3.11

Add references to these GRM-defined terms inserted before and after existing term in alphabetical order:

- binding;
- binding support;
- managed relationship class;
- relationship cardinality;
- relationship management notification;
- relationship management operation;
- role cardinality;
- relationship mapping specification;
- relationship class specification;
- role;
- unbinding;
- unbinding support.

3) Clause 4

Insert the following abbreviation by alphabetical order:

- GRM General relationship model

ISO/IEC 10164-16 : 1997/Amd.1 : 1998 (E)

4) Clause 6*In this clause change:*

- *Definition knowledge:* Information on the formal specification of managed object classes, name bindings, etc., e.g. templates for classes, name bindings.

to:

- *Definition knowledge:* Information on the formal specification of managed object classes and managed relationship classes and related specifications, e.g. templates for classes, attributes, name bindings.

*Add an X in the Table 1 cell in the Definition knowledge column in the Relationship knowledge row.***5) Subclause 6.3***In the 2nd item:*

relationship role bindings

to:

relationship mapping specifications

6) Subclauses 6.3, 6.5, 7.1.1.1, 8.1.1.2, Table 8, A.2.1 and A.2.3*In subclauses 6.3, 6.5, 7.1.1.1, 8.1.1.2, Table 8, and in behaviour text in A.2.1 and A.2.3, replace each occurrence of the term relationship class that is not preceded by managed with the term defined in GRM managed relationship class but do not change the label supportedRelationshipClassList.***7) Subclause 7.1.2***In this subclause change GDMO and ASN.1 specifications to GDMO, GRM and ASN.1 specifications.***8) Subclauses 7.1.2, 8.1.2.12, 8.6.2 and A.3.3***In subclauses 7.1.2, 8.1.2.12, 8.6.2 and A.3.3, change all occurrences of GDMO template(s) to template(s).***9) Subclause 7.3***Add an X in the four Table 2 cells that are in either the Definition managed objects or Definition Directory objects columns and that are in either the Managed object class knowledge or Relationship knowledge rows. Change both occurrences of X (Note 7) to X and eliminate Note 7.***10) New subclauses 8.1.2.12 and 8.1.2.13***Renumber subclause 8.1.2.12 as 8.1.2.14 and insert two new subclauses before it:***8.1.2.12 Relationship class template managed object***The relationship class template managed object represents a GRM relationship class specification.**The relationship class template managed object class is defined as a subclass of the template managed object class. Its mandatory, read-only attributes are:*

- derived from;
- behaviour.

Its optional, read-only attributes are:

- supports;
- qualified by;
- role specifier.