



INTERNATIONAL TELECOMMUNICATION UNION

# ITU-T

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Amendment 1**  
**X.722**

(11/95)

**DATA NETWORKS AND OPEN SYSTEM  
COMMUNICATIONS**  
**OSI MANAGEMENT**

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**INFORMATION TECHNOLOGY –  
OPEN SYSTEMS INTERCONNECTION –  
STRUCTURE OF MANAGEMENT  
INFORMATION: GUIDELINES FOR THE  
DEFINITION OF MANAGED OBJECTS**

**AMENDMENT 1: SET BY CREATE AND  
COMPONENT REGISTRATION**

**Amendment 1 to**  
**ITU-T Recommendation X.722**

(Previously "CCITT Recommendation")

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## 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. Some 179 member countries, 84 telecom operating entities, 145 scientific and industrial organizations and 38 international organizations participate in ITU-T which is the body which sets world telecommunications standards (Recommendations).

The approval of Recommendations by the Members of ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, 1993). In addition, the World Telecommunication Standardization Conference (WTSC), which meets every four years, approves Recommendations submitted to it and establishes the study programme for the following period.

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. The text of ITU-T Recommendation X.722, Amendment 1, was approved on 21st of November 1995. The identical text is also published as ISO/IEC International Standard 10165-4.

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## NOTE

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

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## DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

(February 1994)

## ORGANIZATION OF X-SERIES RECOMMENDATIONS

| Subject area                                | Recommendation Series |
|---------------------------------------------|-----------------------|
| <b>PUBLIC DATA NETWORKS</b>                 |                       |
| Services and Facilities                     | X.1-X.19              |
| Interfaces                                  | X.20-X.49             |
| Transmission, Signalling and Switching      | X.50-X.89             |
| Network Aspects                             | X.90-X.149            |
| Maintenance                                 | X.150-X.179           |
| Administrative Arrangements                 | X.180-X.199           |
| <b>OPEN SYSTEMS INTERCONNECTION</b>         |                       |
| Model and Notation                          | X.200-X.209           |
| Service Definitions                         | X.210-X.219           |
| Connection-mode Protocol Specifications     | X.220-X.229           |
| Connectionless-mode Protocol Specifications | X.230-X.239           |
| PICS Proformas                              | X.240-X.259           |
| Protocol Identification                     | X.260-X.269           |
| Security Protocols                          | X.270-X.279           |
| Layer Managed Objects                       | X.280-X.289           |
| Conformance Testing                         | X.290-X.299           |
| <b>INTERWORKING BETWEEN NETWORKS</b>        |                       |
| General                                     | X.300-X.349           |
| Mobile Data Transmission Systems            | X.350-X.369           |
| Management                                  | X.370-X.399           |
| <b>MESSAGE HANDLING SYSTEMS</b>             | X.400-X.499           |
| <b>DIRECTORY</b>                            | X.500-X.599           |
| <b>OSI NETWORKING AND SYSTEM ASPECTS</b>    |                       |
| Networking                                  | X.600-X.649           |
| Naming, Addressing and Registration         | X.650-X.679           |
| Abstract Syntax Notation One (ASN.1)        | X.680-X.699           |
| <b>OSI MANAGEMENT</b>                       | X.700-X.799           |
| <b>SECURITY</b>                             | X.800-X.849           |
| <b>OSI APPLICATIONS</b>                     |                       |
| Commitment, Concurrency and Recovery        | X.850-X.859           |
| Transaction Processing                      | X.860-X.879           |
| Remote Operations                           | X.880-X.899           |
| <b>OPEN DISTRIBUTED PROCESSING</b>          | X.900-X.999           |

## Summary

This amendment to Rec. X.722 | ISO/IEC 10165-4 modifies the GDMO Package template to allow for the explicit specification of the Set By Create property. This amendment will ensure that Recommendation X.722 is consistent with Recommendation X.721, which states the Create request is permitted to specify an explicit value for individual attributes. This change will permit the automatic generation of MOCS because currently the “behaviour” definitions need to be studied to determine the Create capability specified. In addition, this amendment extends the Registration clause (6.4) to include the application context for Transaction Processing with Systems Management and extends the Registration arc for the General Relationship Model.



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ITU-T Rec. X.722 (1992)/Amd.1 (1995 E)

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**INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –  
STRUCTURE OF MANAGEMENT INFORMATION:  
GUIDELINES FOR THE DEFINITION OF MANAGED OBJECTS**

**AMENDMENT 1  
Set by Create and Component Registration**

- 1) *Add the following in 2.1 after the reference to CCITT Rec. X.701:*
  - ITU-T Recommendation X.702 (1995) | ISO/IEC 11587:1996, *Information technology – Open Systems Interconnection – Application context for systems management with transaction processing*.
- 2) *Replace 3.8.2 with the following:*
- 3.8.2 **template:** A standard format for the documentation of a definition of a management information element.
- 3) *Add the following row to Table 1:*

|                       |                                                                              |
|-----------------------|------------------------------------------------------------------------------|
| applicationContext(4) | Application contexts, ITU-T Rec. X.702   ISO/IEC 11587 and subsequent parts. |
|-----------------------|------------------------------------------------------------------------------|

- 4) *Add the following rows to Table 13 and to Table 15:*

|                         |                                                      |
|-------------------------|------------------------------------------------------|
| relationshipClass(11)   | Allocation of managed relationship class identifiers |
| relationshipMapping(12) | Allocation of relationship mapping identifiers       |
| relationshipRole(13)    | Allocation of relationship role identifiers          |

- 5) *Add the following to the end of the propertylist supporting productions in 8.4.2:*

[SET-BY-CREATE]