

INTERNATIONAL STANDARD

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AMENDMENT 1
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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

*Technologies de l'information — Interconnexion de systèmes ouverts —
Structure des informations de gestion: Principes directeurs pour la
définition des objets gérés*

*AMENDEMENT 1: Réglage par enregistrement de création et de
composant*



Reference number
ISO/IEC 10165-4:1992/Amd.1:1996(E)

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Amendment 1 to International Standard ISO/IEC 10165-4:1992 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 21, *Open systems interconnection, data management and open distributed processing*, in collaboration with ITU-T. The identical text is published as ITU-T Rec. X.722/Amd.1.

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ITU-T RECOMMENDATION

**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.
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- 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]

6) *Add the following after Note 2 in 8.4.3.2:*

The GET property is included if the value of the attribute may be retrieved with the Get attribute value operation.

The REPLACE property is included if the attribute may be set with the Replace attribute value operation and with the Create operation. Setting with the Create operation applies only if the Create operation is supported by the name binding of the managed object instance.

Inclusion of the GET-REPLACE property is the notation for specifying that both the GET property and the REPLACE property are included.

The ADD property is included if the attribute may be set with the Add member operation.

The REMOVE property is included if the attribute may be set with the Remove member operation.

Inclusion of the ADD-REMOVE property is the notation for specifying that both the ADD property and the REMOVE property are included.

The SET-BY-CREATE property is included if the attribute may be set by means of the Create operation. This property is only meaningful if the Create operation is supported by the name binding of the managed object instance. Since the REPLACE property is included if the attribute may be set by means of the Replace operation or the Create operation, the SET-BY-CREATE property does not have to be included if the REPLACE property is present. Similarly, the SET-BY-CREATE property does not have to be included if the ADD, REMOVE, or ADD-REMOVE property is present. Even if SET-BY-CREATE is absent, the attempt to set a value with the Create operation may succeed.

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