

Information technology — Open Systems Interconnection — Connectionless protocol for the Association Control Service Element: Protocol specification —

(ITU-T Rec. X.237 (1995) |
ISO/IEC 10035-1:1995)

ICS 35.100.70

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents

AVA

Document Sharing Hub

National foreword

This British Standard reproduces verbatim ISO/IEC 10035-1:1995 and implements it as the UK national standard. It supersedes BS ISO/IEC 10035:1991 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee IST/21, Open Systems Interconnection, Data Management and Open Distributed Processing, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or using the “Find” facility of the BSI Standards Electronic Catalogue. A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the ISO/IEC title page, pages ii to iv, pages 1 to 11 and a back cover. This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This British Standard, having been prepared under the direction of the DISC Board, was published under the authority of the Standards Board and comes into effect on 15 March 1997

© BSI 11-1998

ISBN 0 580 26521 8

Amendments issued since publication

Amd. No.	Date	Comments

INTERNATIONAL
STANDARD

**ISO/IEC
10035-1**

Second edition
1995-12-15

**Information technology — Open Systems
Interconnection — Connectionless protocol
for the Association Control Service
Element: Protocol specification**

*Technologies de l'information — Interconnexion de systèmes ouverts
(OSI) — Élément de service de contrôle d'association: Spécification du
protocole*



Reference number
ISO/IEC 10035-1:1995(E)

Contents

	Page
Foreword	iv
Introduction	1
1 Scope	1
2 Normative references	1
2.1 Identical Recommendations International Standards	2
2.2 Paired Recommendations International Standards equivalent in technical content	2
3 Definitions	2
3.1 Reference model definitions	2
3.2 Naming and addressing definitions	2
3.3 Service conventions definitions	3
3.4 Presentation service definitions	3
3.5 ACSE service definitions	3
3.6 Application Layer Structure definitions	3
4 Abbreviations	3
4.1 Data units	3
4.2 Types of application-protocol-data-units	3
4.3 Other abbreviations	3
5 Conventions	4
6 Overview of the Protocol	4
6.1 Service provision	4
6.2 Use of the presentation-service	4
6.3 Model	4
7 Elements of Procedure	4
7.1 A-UNIT-DATA transfer	4
7.1.1 Purpose	4
7.1.2 APDUs used	4
7.1.3 A-UNIT-DATA transfer procedure	4
7.1.4 Use of the AUDT APDU fields	5
7.1.5 Collisions and interactions	6
7.2 Rules for extensibility	6
8 Mapping to the Connectionless Presentation-Service	6
8.1 A-UNIT-DATA transfer	7
8.1.1 Directly mapped parameters	7
8.1.2 Use of other P-UNIT-DATA request and indication parameters	7
9 Abstract Syntax Definition of APDUs	7
10 Conformance	8
10.1 Statement requirements	8
10.2 Static requirements	9
10.3 Dynamic requirements	9
11 Precedence	9
Annex A State Table	10
A.1 General	10
A.2 Conventions	10
A.3 Actions to be taken by the ACPM	10
A.4 Relationship to Presentation and other ASEs	10
Annex B Summary of Assigned Object Identifier Values	11

	Page
Table 1 — AUDT APDU Fields	5
Table 2 — Mapping Overview	7
Table A.1 — Incoming Event List	10
Table A.2 — Outgoing Event List	11
Table A.3 — State Table	11

Descriptors: Data processing, information interchange, network interconnection, open systems interconnection, data link layer, data transmission, communication procedure, control procedures, protocols.

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.

International Standard ISO/IEC 10035-1 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 Recommendation X.237.

This second edition cancels and replaces the first edition (ISO/IEC 10035:1991), which has been technically revised.

ISO/IEC 10035 consists of the following parts, under the general title *Information technology — Open Systems Interconnection — Connectionless protocol for the Association Control Service Element*:

- *Part 1: Protocol specification*;
- *Part 2: Protocol Implementation Conformance Statement (PICS) proforma*.

Annex A forms an integral part of this part of ISO/IEC 10035. Annex B is for information only.