INTERNATIONAL STANDARD

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AMENDMENT 1
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Information technology — Open Systems Interconnection — Presentation service definition

AMENDMENT 1: Efficiency enhancements

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — Définition du service de présentation

AMENDEMENT 1: Améliorations d'efficacité

Reference number
ISO/IEC 8822:1994/Amd.1:1998(E)

Contents

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 ISO/IEC 8822:1994 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 33, *Distributed application services*, in collaboration with ITU-T. The identical text is published as ITU-T Rec. X.216/Amd.1.

INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION – PRESENTATION SERVICE DEFINITION

AMENDMENT 1
Efficiency enhancements

1) Subclause 2.1

Insert the following references by numerical order:

- ITU-T Recommendation X.215 (1995)/Amd.1 (1997) | ISO/IEC 8326:1996/Amd.1:1998, *Information technology – Open Systems Interconnection – Session Service definition – Amendment 1: Efficiency enhancements.*
- ITU-T Rec. X.227 (1995)/Amd.1 (1996) | ISO/IEC 8650-1:1996/Amd.1:1997, *Information technology – Open Systems Interconnection – Connection-oriented protocol for the association control service element: Protocol specification – Amendment 1: Incorporation of extensibility markers.*

2) Subclause 8.2

Modify item a) *as shown below, with the additional text underlined:*

a) **session functional units**, as defined in ITU-T Rec. X.215 | ISO/IEC 8326 and ITU-T Rec. X.215/Amd.1 | ISO/IEC 8326/Amd.1, comprising:

- the kernel functional unit;
- the half-duplex functional unit;
- the duplex functional unit;
- the expedited data functional unit;
- the minor synchronize functional unit;
- the symmetric synchronize functional unit;
- the data separation functional unit;
- the major synchronize functional unit;
- the resynchronize functional unit;
- the activity management functional unit;
- the negotiated release functional unit;
- the capability data functional unit;
- the exceptions functional unit;
- the typed data functional unit;
- the no-orderly-release functional unit.

The selection of session functional units which may be made is subject to the constraints imposed by the session-service, see ITU-T Rec. X.215 | ISO/IEC 8326 and ITU-T Rec. X.215/Amd. 1 | ISO/IEC 8326/Amd.1.

NOTE – The decision on which session functional units are to be used is made during presentation-connection establishment.

3) Clause 10

In Table 2 (Presentation service primitives), *add* User Summary *at the end of the list of parameters for* P-CONNECT request, P-CONNECT indication *and* P-CONNECT response/confirm.

4) Subclause 10.2.1

In Table 3 (P-CONNECT service), *add a row after User data:*

Parameter name	Request	Indication	Response	Confirm
User Summary	U	C(=)	U	C(=)

5) Subclause 10.2.1.11

Add the following text (underlined) at the end of the existing subclause, as shown below:

This parameter provides the PS-user with access to the Session requirements parameter of the Session service and is described for that parameter in ITU-T Rec. X.215 | ISO/IEC 8326 and ITU-T Rec. X.215/Amd.1 | ISO/IEC 8326/Amd.1.

6) New subclause 10.2.1.15 *bis*

Add the following new subclause:

10.2.1.15 *bis* User Summary is a parameter that summarizes the semantic content of the User data, by reference to an Upper-layer context specification.

7) Subclause 10.2.2.1

Add at the end of this subclause:

If the User Summary parameter is present, the presentation-service-provider may or may not convey the semantics of the User data parameter by conveying the User Summary parameter to the responding PS-user, rather than the User data parameter itself.

NOTE – If the PS-provider does not convey the User Summary parameter, or the responding PS-user is unable to interpret the User Summary parameter, the User Data parameter itself will be conveyed. (This may involve a second protocol exchange.)