INTERNATIONAL STANDARD

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AMENDMENT 2
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Information technology — Open Systems Interconnection — Presentation service definition

AMENDMENT 2: Nested connections functional unit

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

AMENDEMENT 2: Unité fonctionnelle de connexions nichée

Reference number
ISO/IEC 8822:1994/Amd.2:1998(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 2 to ISO/IEC 8822:1994 was prepared by ITU-T (as ITU-T Rec. X.216/Amd.2) and was adopted, under a special "fast-track procedure", by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, in parallel with its approval by national bodies of ISO and IEC. The identical text is published as ITU-T Rec. X.216/Amd.2.

INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION – PRESENTATION SERVICE DEFINITION

AMENDMENT 2
Nested connections functional unit

1) Subclause 2.1

Add the following reference in numerical order:

– ITU-T Recommendation X.215 (1995)/Amd.2 (1997) | ISO/IEC 8326:1996/Amd.2:1988, *Information technology – Open Systems Interconnection – Session service definition – Amendment 2: Nested connections functional unit*.

2) New subclause 3.4.20

Add a new subclause 3.4.20 as follows:

3.4.20 nested presentation connection: A presentation connection which is logically embedded within an existing presentation connection.

3) New subclause 6.2.7

Add a new subclause 6.2.7 as follows:

6.2.7 An application entity specification requiring a presentation connection may require the establishment of a new presentation connection end-point for a new presentation connection, or may require the establishment of a nested presentation connection end-point within the connection end-point for an existing (outer-level or nested) presentation connection. The issuing of a P-CONNECT request at a nested presentation connection end-point establishes a nested presentation connection. Nested presentation connections are entirely independent in relation to services provided directly by the presentation layer, but have some dependencies (specified in ITU-T Rec. X.215 | ISO/IEC 8326) in relation to services passed through from the session layer. Nested presentation connections can only be established if the immediately enclosing presentation connection has agreed the use of the nested connections functional unit.

4) Subclause 6.3

Add a new paragraph at the end of this subclause:

There is a one-to-one correspondence between presentation connection end-points and session connection end-points, and the nesting structure (if any) within an outer-level session connection end-point is identical to the nesting structure within the corresponding presentation connection end-point.

5) Subclause 7.1

Add a new paragraph at the end of this subclause as follows:

This service may be invoked at an outer-level presentation connection end-point to establish a new outer-level presentation connection, or may be invoked at a nested presentation connection end-point to establish a nested presentation connection.

6) Subclause 8.2

In this subclause in both the introductory sentence of item a)*, and in the sentence after the list, add* and ITU-T Rec. X.215/Amd.2 | ISO/IEC 8326/Amd.2, *after reference to* ITU-T Rec. X.215 | ISO/IEC 8326.

Add at the end of the list in a) *a new item:*

– the nested connection functional unit.

7) Clause 10

Change Table 2 by adding User Summary *at the end of the list of parameters for* P-CONNECT request, P-CONNECT indication *and* P-CONNECT response/confirm.

8) Subclause 10.2

Add to the end of the first sentence of this subclause:

... or to establish a nested presentation connection between them.

9) Subclause 10.2.1

Change Table 3 to replace all M *entries with* C *entries for the* Calling-presentation-address, Called-presentation-address, *and* Responding-presentation-address.

10) Subclauses 10.2.1.1 through 10.2.1.3

Add a new second paragraph to 10.2.1.1 through 10.2.1.3 as follows:

This parameter shall be present when an outer-level presentation connection is being established, and shall be absent when a nested presentation connection is being established.

11) Clause 11

Add new items c) *and* d) *to the third paragraph of this clause:*

c) Services invoked on any presentation connection within the same outer-level connection are sequenced with respect to each other and with respect to services on that outer-level connection.

d) Services on presentation connections within a nested set do not disrupt services on other presentation connections within the set, except that services on a nested presentation connection may by disrupted by any of the services listed in 11.5.4 which are invoked on any of the enclosing presentation connections.