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AMENDMENT 2
1998-12-15

**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

Foreword

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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.

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INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –
PRESENTATION SERVICE DEFINITIONAMENDMENT 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 be disrupted by any of the services listed in 11.5.4 which are invoked on any of the enclosing presentation connections.