

Second edition  
1996-09-15

**AMENDMENT 1**  
1998-10-01

---

---

**Information technology — Open Systems  
Interconnection — Session service  
definition**

**AMENDMENT 1: Efficiency enhancements**

*Technologies de l'information — Interconnexion de systèmes ouverts  
(OSI) — Définition du service de session*  
*AMENDEMENT 1: Améliorations d'efficacité*

ISO/IEC 8326:1996/Amd 1:1998

<https://standards.iteh.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998>



## Contents

Page

1) New subclause 2.3 .....	1
2) Subclause 3.3 .....	1
3) Subclause 9.1 .....	1
4) New subclause 9.1.1 <i>bis</i> .....	1
5) Subclause 11.1 .....	1
6) Subclause 12.1.2 .....	2
7) Subclause 12.1.2.7 .....	2
8) New subclauses 12.1.2.11 and 12.1.2.12 .....	2
9) Subclause 13.1.2 .....	2
10) Subclause 14.1.1 .....	2
11) Subclause A.5.1 .....	3
12) Subclause A.5.4.14 .....	3

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO/IEC 8326:1996/Amd 1:1998](https://standards.iteh.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998)

<https://standards.iteh.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998>

## 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

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO/IEC 8326:1996/Amd 1:1998](https://standards.iteh.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998)

<https://standards.iteh.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998>

INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

**INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –  
SESSION SERVICE DEFINITION**

**AMENDMENT 1  
Efficiency enhancements**

**1) New subclause 2.3**

Add a new subclause as shown below:

**2.3 Additional references**

- ITU-T Recommendation X.225/Add.1 (1995), *Open Systems Interconnection – Protocol specification for Session layer efficiency enhancements.*

**2) Subclause 3.3**

**iTeh STANDARD PREVIEW  
(standards.iteh.ai)**

[ISO/IEC 8326:1996/Amd 1:1998](https://standards.iteh.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998)

<https://standards.iteh.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998>

**3) Subclause 9.1**

Add the following row and the following Note to Table 2:

Functional unit	Service(s)	Reference
No-orderly-release	Note	9.1.1 <i>bis</i>
NOTE – This functional unit removes the orderly release services from the kernel functional unit. This “negative” functional unit provides compatibility with ITU-T Rec. X.215   ISO/IEC 8326 which requires the (non-negotiable) kernel to be indivisible.		

**4) New subclause 9.1.1 bis**

Add the following new subclause after 9.1.1:

**9.1.1 bis No-orderly-release functional unit**

This functional unit removes orderly release from the kernel functional unit. Abortive release is available. It is not possible to select this functional unit and the negotiated release functional unit for use on the same session connection.

NOTE – This orderly release capability would more logically be a functional unit separate from the kernel; this “negative” functional unit provides compatibility with earlier specifications that require the (non-negotiable) kernel to be indivisible.

**5) Subclause 11.1**

In Table 5, add User Summary and Special-user-data at the end of the list of parameters.

Add a new subclause 3.3.12, after 3.3.11 as shown below:

**3.3.12 Special-user-data:** A parameter exchanged in the S-CONNECT Rec. X.215 (1995)/Amd.1 (1997) (E) parameters between the SS-users to indicate the nature of the encodings in the SS-user-data parameter.

**6) Subclause 12.1.2**

Add two rows in Table 9, after SS-user data:

Parameter	Primitive	Request	Indication	Response	Confirm
User Summary		U	C(=)	U	C(=)
Special user-data		U	C(=)	U	C(=)

**7) Subclause 12.1.2.7**

Add the following item to the list of functional units:

- n) no-orderly-release functional unit

Add the following sentence to the antepenultimate sentence of this subclause:

It is not possible to select the no-orderly-release functional unit and the negotiated release functional unit for use on the same session connection.

**8) New subclauses 12.1.2.11 and 12.1.2.12**

Add after 12.1.2.10:

iTeh STANDARD PREVIEW

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

**12.1.2.12** Special user-data is a parameter that may be exchanged by SS-users to indicate the nature of the encodings of the SS-user-data parameter.

NOTE – The Special user-data parameter is not visible at the Presentation service interface defined in ITU-T Rec. X.216 | ISO/IEC 8822. This parameter is intended for use at the Presentation/Session boundary.

**9) Subclause 13.1.2**

Add the following text to the end of this subclause with the accompanying Note:

The Special user-data parameter may be exchanged between two SS-users.

NOTE – The Special user-data parameter is not visible at the Presentation service interface defined in ITU-T Rec. X.216 | ISO/IEC 8822. This parameter is intended for use at the Presentation/Session boundary.

Add the following row in Table 10, after SS-user data:

Parameter	Primitive	Request	Indication
Special user-data		U	C(=)

**10) Subclause 14.1.1**

Change the first sentence as shown by the underlined text:

The orderly-release service is always provided and allows either SS-user to release the session connection in an orderly manner unless the no-orderly-release functional unit is selected on the session connection.

**11) Subclause A.5.1**

Add the following shown underlined to the definition of fu-dom:

fu-dom = {FD, HD, EXCEP, TD, NR, SY, SS, DS, MA, RESYN, EX, ACT, CD, NOR}

Add the following definition of NOR to the list of abbreviations, by alphabetical order:

NOR No orderly release functional unit

**12) Subclause A.5.4.14**

Add a new row at the end of Table A.7 as shown below:

rdrtpl88	-FU(NOR)
----------	----------

Change Tables A.15 (Connection release state table without the symmetric synchronize functional unit) and A.23 (Connection release state table with the symmetric synchronize functional unit) in the identified rows according to the underlined changes shown below:

State	STA03 await SRELcnf	STA09 await SRELrsp	STA713 data transfer	Any other state
Event				
SRELind	[18] STA09		<u>p188</u> STA09	
SRELreq		-p65 [18] STA09	<u>p188 &amp; p63</u> [18] STA03	

<https://standards.itech.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO/IEC 8326:1996/Amd 1:1998](https://standards.iteh.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998)

<https://standards.iteh.ai/catalog/standards/sist/8d718279-60fc-4048-8dea-3a4417fb0f05/iso-iec-8326-1996-amd-1-1998>

---

---

**ICS 35.100.50**

**Descriptors:** data processing, information interchange, network interconnection, open systems interconnection, data transmission, communication procedure, session layer.

Price based on 3 pages

---

---