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STANDARD

**ISO/IEC**  
**10733**

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**AMENDMENT 1**  
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**Information technology —  
Telecommunications and information  
exchange between systems — Elements of  
management information related to OSI  
Network Layer standards**

AMENDMENT 1:

Implementation conformance statement proformas

*Technologies de l'information — Télécommunications et échange  
d'information entre systèmes — Éléments d'information de gestion  
concernant les normes de la couche Réseau OSI*

*AMENDEMENT 1: Proformes de déclaration de conformité de mise en  
œuvre*



Reference number  
ISO/IEC 10733:1993/Amd.1:1996(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 1 to International Standard ISO/IEC 10733 : 1993 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

This Amendment is also published by ITU-T as Rec. X.283/Amd. 1 but not as identical text.

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## Information technology – Telecommunications and information exchange between systems – Elements of management information related to OSI Network Layer standards

### AMENDMENT 1:

#### Implementation conformance statement proformas

##### Page 1

Add the following as the last paragraph of Clause 1 "Scope".

"

Annexes D, E, F and G, which are integral parts of this International Standard provide ICS proformas associated with Network layer management information.

"

Add the following reference to subclause 2.1:

"

- ITU-T Recommendation X.724 (1993) | ISO/IEC 10165-6: 1994, *Information technology - Open Systems Interconnection - Structure of management information: Requirements and guidelines for implementation conformance statement proformas associated with OSI management*.

"

##### Page 2

Add the following references to subclause 2.2:

"

- CCITT Recommendation X.209 (1988), *Specification of basic encoding rules for abstract syntax notation one (ASN.1)*.  
ISO/IEC 8825: 1990, *Information technology - Open Systems Interconnection - Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1)*.
- CCITT Recommendation X.290 (1991), *OSI conformance testing methodology and framework for protocol Recommendations for CCITT applications - General concepts*.  
ISO/IEC 9646-1: 1994, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts*.
- CCITT Recommendation X.291 (1992), *OSI conformance testing methodology and framework for protocol Recommendations for CCITT applications - Abstract test suite specification*.  
ISO/IEC 9646-2: 1994, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract Test Suite specification*.  
NOTE – ISO/IEC 9646-1:1994 and ISO/IEC 9646-2:1994 supersede ISO/IEC 9646-1:1991 and ISO/IEC 9646-2:1991 respectively. However, when this International Standard was under development, the previous editions were valid and this International Standard is therefore based on these editions, which are listed below.  
ISO/IEC 9646-1: 1991, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts*.  
ISO/IEC 9646-2: 1991, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification*.
- ITU-T Recommendation X.296 (1995), *OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - Implementation Conformance Statements*.  
ISO/IEC 9646-7: 1995, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation conformance statements*.

ISO/IEC 9646-7: 1995, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation conformance statements.*

"

**Page 4**

Add the following abbreviations to clause 4:

"

MCS	management conformance summary
MICS	management information conformance statement
MOCS	managed object conformance statement
MRCS	managed relationship conformance statement

"

**Page 92**

Replace clause 7 with the following:

"

**7 Conformance**

Implementations claiming to conform to this International Standard shall comply with the conformance requirements as defined in the following subclauses.

**7.1 Conformance requirements to this International Standard****7.1.1 Static conformance**

The implementation shall conform to the requirements of this International Standard in the manager role, the agent role, or both roles. A claim of conformance to at least one role shall be made in Table D.1 of this International Standard.

If a claim of conformance is made for support in the manager role, the implementation shall support at least one management operation or notification or action of the managed objects specified by this International Standard. The conformance requirements in the manager role for those management operations, notifications and actions are identified in Table D.3 and further tables referenced by Annex D.

If a claim of conformance is made for support in the agent role, the implementation shall support one or more instances of the network subsystem managed object class identified in Table D.4 of this International Standard and further tables referenced by Annex D.

If a claim of conformance is made for support in the agent role, the implementation shall support at least one name binding identified in Table D.7 of this International Standard for each supported managed object.

The implementation shall support the transfer syntax derived from the encoding rules specified in CCITT Rec. X.209 | ISO/IEC 8825 named {joint-iso-ccitt asn1(1) basicEncoding(1)} for the abstract data types referenced by the definitions for which support is claimed.

**7.1.2 Dynamic conformance**

Implementations claiming to conform to this International Standard shall support the elements of procedure and definitions of semantics corresponding to the definitions for which support is claimed.

### 7.1.3 Management implementation conformance statement requirements

Any MCS proforma, MICS proforma, MOCS proforma, and MRCS proforma which conform to this International Standard shall be technically identical to the proformas specified in Annexes D, E, F, and G preserving table numbering and the index numbers of items, and differing only in pagination and page headers.

The supplier of an implementation which is claimed to conform to this International Standard shall complete a copy of the management conformance summary (MCS) provided in Annex D as part of the conformance requirements together with any other ICS proformas referenced as applicable from that MCS. Any MCS, MICS, MOCS, and MRCS which conform to this International Standard shall:

- describe an implementation which conforms to this International Standard;
- have been completed in accordance with the instructions for completion given in ITU-T Rec. X.724 | ISO/IEC 10165-6;
- include the information necessary to uniquely identify both the supplier and the implementation.

## 7.2 Protocol specific conformance requirements

The supplier of an implementation which is claimed to conform to this International Standard shall support at least one protocol identified in Table D.2 of this International Standard.

### 7.2.1 Conformance to the CLNS

An implementation claiming conformance to the CLNS in the agent role as a managed implementation shall:

- a) conform to ITU-T Recommendation X.283 | ISO/IEC 10733 as defined in 7.1;
- b) support the network entity MO, the CLNS MO, the NSAP MO and the linkage MO.

### 7.2.2 Conformance to the CONS

An implementation claiming conformance to the CONS in the agent role as a managed implementation shall:

- a) conform to ITU-T Recommendation X.283 | ISO/IEC 10733 as defined in 7.1;
- b) support the network entity MO, the CONS MO, the NSAP MO, the network connection MO and the linkage MO.

### 7.2.3 Conformance to the X.25 DTE

An implementation claiming conformance to the X.25 DTE in the agent role as a managed implementation shall:

- a) conform to ITU-T Recommendation X.283 | ISO/IEC 10733 as defined in 7.1;
- b) support the X25 PLE DTE MO and at least one class derived from the virtual circuit DTE.

### 7.2.4 Conformance to the X.25 DCE

An implementation claiming conformance to the X.25 DCE in the agent role as a managed implementation shall:

- a) conform to ITU-T Recommendation X.283 | ISO/IEC 10733 as defined in 7.1;
- b) support the X25 PLE DCE MO and at least one class derived from the virtual circuit DCE.

**Annex D**  
(normative)  
**MCS proforma<sup>1)</sup>**

**D.1 Introduction****D.1.1 Purpose and structure**

The management conformance summary (MCS) is a statement by a supplier that identifies an implementation and provides information on whether the implementation claims conformance to any of the listed set of documents that specify conformance requirements to OSI management.

The MCS proforma is a document, in the form of a questionnaire that when completed by the supplier of an implementation becomes the MCS.

**D.1.2 Instructions for completing the MCS proforma to produce an MCS<sup>2)</sup>**

The supplier of the implementation shall enter an explicit statement in each of the boxes provided. Specific instruction is provided in the text which precedes each table.

**D.1.3 Symbols, abbreviations and terms**

For all annexes of this International Standard, the following common notations, defined in CCITT Rec. X.291 | ISO/IEC 9646-2 and ITU-T Rec. X.296 | ISO/IEC 9646-7 are used for the Status column:

- m mandatory;
- o optional;
- c conditional;
- x prohibited;
- not applicable or out of scope.

## NOTES

- 1 - 'c', 'm', and 'o' are prefixed by a 'c' when nested under a conditional or optional item of the same table;
- 2 - 'o' may be suffixed by '.N' (where N is a unique number) for mutually exclusive or selectable options among a set of status values. Support of at least one of the choices (from the items with the same values of N) is required.

For all annexes of this International Standard, the following common notations, defined in CCITT Rec. X.291 | ISO/IEC 9646-2 and ITU-T Rec. X.296 | ISO/IEC 9646-7 are used for the Support column:

- Y implemented;
- N not implemented;
- no answer required;
- Ig the item is ignored (i.e. processed syntactically but not semantically).

<sup>1)</sup> Users of this International Standard may freely reproduce the MCS proforma in this annex so that it can be used for its intended purpose, and may further publish the completed MCS.

<sup>2)</sup> Instructions for completing the MCS proforma are specified in ITU-T Rec.X.724 | ISO/IEC 10165-6 .

**D.2 Identification of the implementation**

**D.2.1 Date of statement**

The supplier of the implementation shall enter the date of this statement in the box below. Use the format DD-MM-YYYY.

Date of statement
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**D.2.2 Identification of the implementation**

The supplier of the implementation shall enter information necessary to uniquely identify the implementation and the system(s) in which it may reside, in the box below.

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**D.2.3 Contact**

The supplier of the implementation shall provide information on whom to contact if there are any queries concerning the content of the MCS, in the box below.

--

**D.3 Identification of the International Standard in which the management information is defined**

The supplier of the implementation shall enter the title, reference number and date of the publication of the International Standard which specifies the management information to which conformance is claimed, in the box below.

International Standard to which conformance is claimed
--

**D.3.1 Technical corrigenda implemented**

The supplier of the implementation shall enter the reference numbers of implemented technical corrigenda which modify the identified International Standard, in the box below.

--

**D.3.2 Amendments implemented**

The supplier of the implementation shall state the titles and reference numbers of implemented amendments to the identified International Standard, in the box below.

**D.4 Management conformance summary**

The supplier of implementation shall state the capabilities and features supported and provide summary of conformance claims to Recommendations | International Standards using the tables in this annex.

The supplier of the implementation shall specify the roles that are supported, in Table D.1

**Table D.1 – Roles**

Index	Roles supported	Status	Support	Additional information
1	Manager role support	o.1		
2	Agent role support	o.1		

The supplier of the implementation shall specify the protocols that are supported, in Table D.2

**Table D.2 – Protocol**

Index	Protocol supported	Status	Support	Additional information
1	CONS support	o.2		
2	CLNS support	o.2		
3	X.25-DTE support	o.2		
4	X.25-DCE support	o.2		

The supplier of the implementation shall specify support for management information in the manager role, in Table D.3

**Table D.3 – Manager role minimum conformance requirement**

Index	Item	Status	Support	Additional information
1	Operations on managed objects	c1		
2	Activate action for Connectionless-mode network service managed object	c2		
3	Deactivate action for Connectionless-mode network service managed object	c2		
4	Communications Alarm notification for Connectionless-mode network service managed object	c2		
5	Communications information notification for Connectionless-mode network service managed object	c2		
6	Object creation notification for Connectionless-mode network service managed object	c2		
7	Object deletion notification for Connectionless-mode network service managed object	c2		
8	State change notification for Connectionless-mode network service managed object	c2		
9	Activate action for Connection-mode network service managed object	c3		
10	Deactivate action for Connection-mode network service managed object	c3		
11	Deactivate when no users action for Connection-mode network service managed object	c3		
12	Object creation notification for Connection-mode network service managed object	c3		
13	Object deletion notification for Connection-mode network service managed object	c3		

**Table D.3 (concluded) – Manager role minimum conformance requirement**

Index	Item	Status	Support	Additional information
14	State change notification for Connection-mode network service managed object	c3		
15	Object creation notification for D series counts managed object	c1		
16	Object deletion notification for D series counts managed object	c1		
17	Activate action for Linkage managed object	c4		
18	Deactivate action for Linkage managed object	c4		
19	Communications Alarm notification for Linkage managed object	c4		
20	Communications information notification for Linkage managed object	c4		
21	Object creation notification for Linkage managed object	c4		
22	Object deletion notification for Linkage managed object	c4		
23	State change notification for Linkage managed object	c4		
24	Object creation notification for NSAP managed object	c4		
25	Object deletion notification for NSAP managed object	c4		
26	Deactivate action for Network connection managed object	c4		
27	Communications information notification for Network connection managed object	c3		
28	Object creation notification for Network connection managed object	c3		
29	Object deletion notification for Network connection managed object	c3		
30	Object creation notification for Network entity managed object	c3		
31	Object deletion notification for Network entity managed object	c3		
32	Object creation notification for Permanent virtual circuit -DCE managed object	c5		
33	Object deletion notification for Permanent virtual circuit -DCE managed object	c5		
34	State change notification for Permanent virtual circuit -DCE managed object	c5		
35	Object creation notification for Permanent virtual circuit -DTE managed object	c6		
36	Object deletion notification for Permanent virtual circuit -DTE managed object	c6		
37	Communications information notification for Virtual call-DCE managed object	c6		
38	Object creation notification for Virtual call-DCE managed object	c5		
39	Object deletion notification for Virtual call-DCE managed object	c5		
40	Deactivate action for Virtual call-DTE managed object	c6		
41	Communications information notification for Virtual call-DTE managed object	c6		
42	Object creation notification for Virtual call-DTE managed object	c6		
43	Object deletion notification for Virtual call-DTE managed object	c6		
44	Object creation notification for Virtual call IV managed object	c7		
45	Object deletion notification for Virtual call IV managed object	c7		
46	Activate action for X25PLE-DCE managed object	c5		
47	Deactivate action for X25PLE-DCE managed object	c5		
48	Object creation notification for X25PLE-DCE managed object	c5		
49	Object deletion notification for X25PLE-DCE managed object	c5		
50	State change notification for X25PLE-DCE managed object	c5		
51	Activate action for X25PLE-DTE managed object	c6		
52	Deactivate action for X25PLE-DTE managed object	c6		
53	Communications Alarm notification for X25PLE-DTE managed object	c6		
54	Object creation notification for X25PLE-DTE managed object	c6		
55	Object deletion notification for X25PLE-DTE managed object	c6		
56	State change notification for X25PLE-DTE managed object	c6		
57	Object creation notification for X25PLEIVMO-DCE managed object	c5		
58	Object deletion notification for X25PLEIVMO-DCE managed object	c5		
59	Object creation notification for X25PLEIVMO-DTE managed object	c6		
60	Object deletion notification for X25PLEIVMO-DTE managed object	c6		

c1: if D.1/1a then o.3 else -

c2: if D.1/1a and D.2/2a then o.3 else -

c3: if D.1/1a and D.2/1a then o.3 else -

c4: if D.1/1a and (D.2/1a or D.2/2a) then o.3 else -

c5: if D.1/1a and D.2/4a then o.3 else -

c6: if D.1/1a and D.2/3a then o.3 else -

c7: if D.1/1a and (D.2/3a or D.2/4a) then o.3 else -

The supplier of the implementation shall specify support for management information in the agent role, in Table D.4

**Table D.4 – Agent role minimum conformance requirement**

Index	Item	Status	Support	Additional information
1	Network subsystem managed object	m		
2	Network entity managed object	c8		
3	NSAP managed object	c8		
4	Connectionless-mode network service managed object	c9		
5	Linkage managed object	c8		
6	Connection-mode network service managed object	c10		
7	Network connection managed object	c10		
8	X.25 PLE DTE managed object	c11		
9	X.25 PLE DCE managed object	c12		
10	X.25 PLE DTE initial values managed object	o		
11	X.25 PLE DCE initial values managed object	o		
12	Permanent virtual circuit DTE managed object	c13		
13	Permanent virtual circuit DCE managed object	c14		
14	Virtual call initial values managed object	o		
15	Virtual call DTE managed object	c13		
16	Virtual call DCE managed object	c14		
17	Recommendation D series counts managed object	o		

c8: if D.1/2a and (D.2/1a or D.2/2a) then m else -

c9: if D.1/2a and D.2/1a then m else -

c10: if D.1/2a and D.2/2a then m else -

c11: if D.1/2a and D.2/3a then m else -

c12: if D.1/2a and D.2/4a then m else -

c13: if D.1/2a and D.2/3a then o.4 else -

c14: if D.1/2a and D.2/4a then o.5 else -

**Table D.5 – Logging of event records**

Index	Item	Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	c15		

c15: if D.1/2a then o else -

NOTE – Conformance to this International Standard does not require conformance to CCITT Rec. X.735 | ISO/IEC 10164-6.

The supplier of the implementation shall provide information on claims of conformance to any of the International Standards summarized in the following tables. For each International Standard that the supplier of the implementation claims conformance to, the corresponding conformance statement(s) shall be completed, or referenced by, the MCS. The supplier of the implementation shall complete the Support, Table numbers and Additional information columns.

In tables D.6, D.7 and D.8, the Status column is used to indicate whether the supplier of the implementation is required to complete the referenced tables or referenced items. Conformance requirements are as specified in the referenced tables or referenced items and are not changed by the value of the MCS Status column. Similarly, the Support column is used by the supplier of the implementation to indicate completion of the referenced tables or referenced items.

**Table D.6 – MOCS support summary**

Index	Identification of the document that includes the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Status	Support	Table numbers of MOCS	Additional information
1	"ISO/IEC 10733"	Table F.1 - F.8	cLNS	---	c16			
2	"ISO/IEC 10733"	Table F.9 - F.15	cONS	---	c17			
3	"ISO/IEC 10733"	Table F.16 - F.21	dSeriesCounts	---	c18			
4	"ISO/IEC 10733"	Table F.22 - F.29	linkage	---	c19			
5	"ISO/IEC 10733"	Table F.30 - F.34	nSAP	---	c20			
6	"ISO/IEC 10733"	Table F.35 - F.40	networkConnection	---	c21			

Table D.6 (concluded) – MOCS support summary

Index	Identification of the document that includes the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Status	Support	Table numbers of MOCS	Additional information
7	"ISO/IEC 10733"	Table F.41 - F.45	networkEntity	---	c22			
8	"ISO/IEC 10733"	Table F.46 - F.49	networkSubsystem	---	m			
9	"ISO/IEC 10733"	Table F.50 - F.55	permanentVirtualCircuit-DCE	---	c23			
10	"ISO/IEC 10733"	Table F.56 - F.61	permanentVirtualCircuit-DTE	---	c24			
11	"ISO/IEC 10733"	Table F.62 - F.68	virtualCall-DCE	---	c25			
12	"ISO/IEC 10733"	Table F.69 - F.75	virtualCall-DTE	---	c26			
13	"ISO/IEC 10733"	Table F.76 - F.80	virtualCallIVMO	---	c27			
14	"ISO/IEC 10733"	Table F.81 - F.87	x25PLE-DCE	---	c28			
15	"ISO/IEC 10733"	Table F.88 - F.95	x25PLE-DTE	---	c29			
16	"ISO/IEC 10733"	Table F.96 - F.100	x25PLEIVMO-DCE	---	c30			
17	"ISO/IEC 10733"	Table F.101 - F.105	x25PLEIVMO-DTE	---	c31			
18	"ISO/IEC 10737"	Table F.44 - F.47	communicationInformationRecord	---	c32			
19	"ISO/IEC 10164-1"	Table C.1 - C.4	objectCreationRecord	---	c33			
20	"ISO/IEC 10164-1"	Table C.5 - C.8	objectDeletionRecord	---	c33			
21	"ISO/IEC 10164-2"	Table C.1 - C.4	stateChangeRecord	---	c34			
22	"ISO/IEC 10164-4"	Table C.1 - C.4	alarmRecord	---	c35			

c16: if D.4/4a then m else -

c17: if D.4/6a then m else -

c18: if D.4/17a then m else -

c19: if D.4/5a then m else -

c20: if D.4/3a then m else -

c21: if D.4/7a then m else -

c22: if D.4/2a then m else -

c23: if D.4/13a then m else -

c24: if D.4/12a then m else -

c25: if D.4/16a then m else -

c26: if D.4/15a then m else -

c27: if D.4/14a then m else -

c28: if D.4/9a then m else -

c29: if D.4/8a then m else -

c30: if D.4/11a then m else -

c31: if D.4/10a then m else -

c32: if D.5/1a and (D.4/4a or D.4/5a or D.4/7a or D.4/15a or D.4/16a) then m else -

c33: if D.5/1a then m else -

c34: if D.5/1a and (D.4/4a or D.4/5a or D.4/6a or D.4/8a or D.4/9a or D.4/13a) then m else -

c35: if D.5/1a and (D.4/4a or D.4/5a or D.4/8a) then m else -

Table D.7 – MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Status	Support	Table numbers of MRCS	Additional information
1	"ISO/IEC 10733"	Table G. 1/1	cLNS-networkEntity-Automatic	—	c36			
2	"ISO/IEC 10733"	Table G. 1/2	cLNS-networkEntity-Management	—	c36			
3	"ISO/IEC 10733"	Table G. 1/3	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": clProtocolMachine-entity	—	c36			
4	"ISO/IEC 10733"	Table G. 1/4	cONS-networkEntity-Automatic	—	c37			
5	"ISO/IEC 10733"	Table G. 1/5	cONS-networkEntity-Management	—	c37			
6	"ISO/IEC 10733"	Table G. 1/6	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": coProtocolMachine-entity	—	c37			
7	"ISO/IEC 10733"	Table G. 1/7	dSeriesCounts-virtualCall-DCE-Automatic	—	c38			
8	"ISO/IEC 10733"	Table G. 1/8	dSeriesCounts-virtualCall-DCE-Management	—	c38			
9	"ISO/IEC 10733"	Table G. 1/9	linkage-cLNS-Automatic	—	c39			
10	"ISO/IEC 10733"	Table G. 1/10	linkage-cLNS-Management	—	c39			
11	"ISO/IEC 10733"	Table G. 1/11	linkage-cONS-Automatic	—	c40			
12	"ISO/IEC 10733"	Table G. 1/12	linkage-cONS-Management	—	c40			
13	"ISO/IEC 10733"	Table G. 1/13	nSAP-networkSubsystem-Automatic	—	c41			
14	"ISO/IEC 10733"	Table G. 1/14	nSAP-networkSubsystem-Management	—	c41			
15	"ISO/IEC 10733"	Table G. 1/15	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": sap2-subsystem	—	c41			
16	"ISO/IEC 10733"	Table G. 1/16	networkConnection-cONS	—	c42			
17	"ISO/IEC 10733"	Table G. 1/17	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": singlePeerConnection-coProtocolMachine	—	c42			
18	"ISO/IEC 10733"	Table G. 1/18	networkEntity-networkSubsystem-Automatic	—	c43			
19	"ISO/IEC 10733"	Table G. 1/19	networkEntity-networkSubsystem-Management	—	c43			
20	"ISO/IEC 10733"	Table G. 1/20	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsEntity-subsystem	—	c43			
21	"ISO/IEC 10733"	Table G. 1/21	networkSubsystem-system	—	o.14			
22	"ISO/IEC 10733"	Table G. 1/22	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": subsystem-system	—	o.14			
23	"ISO/IEC 10733"	Table G. 1/23	permanentVirtualCircuit-DCE-x25PLE-DCE	—	c44			
24	"ISO/IEC 10733"	Table G. 1/24	permanentVirtualCircuit-DTE-x25PLE-DTE	—	c45			
25	"ISO/IEC 10733"	Table G. 1/25	virtualCall-DCE-x25PLE-DCE-Automatic	—	c46			
26	"ISO/IEC 10733"	Table G. 1/26	virtualCall-DCE-x25PLE-DCE-Management	—	c46			
27	"ISO/IEC 10733"	Table G. 1/27	virtualCall-DTE-x25PLE-DTE	—	c47			
28	"ISO/IEC 10733"	Table G. 1/28	virtualCallIVMO-x25PLE	—	c47			

**Table D.7 (concluded) – MRCS support summary**

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Status	Support	Table numbers of MRCS	Additional information
29	"ISO/IEC 10733"	Table G. 1/29	x25PLE-networkSubsystem-Automatic	—	c48			
30	"ISO/IEC 10733"	Table G. 1/30	x25PLE-networkSubsystem-Management	—	c48			
31	"ISO/IEC 10733"	Table G. 1/31	x25PLEIVMO-networkSubsystem	—	c49			
32	"ISO/IEC 10164-6"	Table D. 1/1	logRecord-log	—	c50			

c36: if D.4/4a then o.6 else -

c37: if D.4/6a then o.7 else -

c38: if D.4/17a then o.8 else -

c39: if D.4/4a and D.4/5a then o.9 else -

c40: if D.4/5a and D.4/6a then o.10 else -

c41: if D.4/3a then o.11 else -

c42: if D.4/7a then o.12 else -

c43: if D.4/2a then o.13 else -

c44: if D.4/13a then o.15 else -

c45: if D.4/12a then o.16 else -

c46: if D.4/16a then o.17 else -

c47: if D.4/15a then o.18 else -

c48: if D.4/8a or D.4/9a then o.19 else -

c49: if D.4/10a or D.4/11a then m else -

c50: if D.5/1a then o else -

**Table D.8 – MICS support summary**

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Status	Support	Table numbers of MICS	Additional information
1	"ISO/IEC 10733"	Table E. 1 to E. 42	management operations	—	c51			
2	"ISO/IEC 10733"	Table E. 43	notifications	—	c52			
3	"ISO/IEC 10733"	Table E. 44	actions	—	c53			

c51: if D.3/1a then m else -

c52: if D.3/4a or D.3/5a or D.3/6a or D.3/7a or D.3/8a or D.3/12a or D.3/13a or D.3/14a or D.3/15a or D.3/16a or D.3/19a or D.3/20a or D.3/21a or D.3/22a or D.3/23a or D.3/24a or D.3/25a or D.3/27a or D.3/28a or D.3/29a or D.3/30a or D.3/31a or D.3/32a or D.3/33a or D.3/34a or D.3/35a or D.3/36a or D.3/37a or D.3/38a or D.3/39a or D.3/41a or D.3/42a or D.3/43a or D.3/44a or D.3/45a or D.3/48a or D.3/49a or D.3/50a or D.3/53a or D.3/54a or D.3/55a or D.3/56a or D.3/57a or D.3/58a or D.3/59a D.3/60a then m else -

c53: if D.3/2a or D.3/3a or D.3/9a or D.3/10a or D.3/11a or D.3/17a or D.3/18a or D.3/26a or D.3/40a D.3/46a or D.3/47a or D.3/51a or D.3/52a then m else -

**Annex E**  
(normative)

**MICS proforma<sup>1)</sup>**

**E.1 Introduction**

The purpose of this MICS proforma is to provide a mechanism for a supplier of an implementation which claims conformance, in the manager role, to management information specified in this International Standard, to provide conformance information in a standard form.

**E.2 Instructions for completing the MICS proforma to produce a MICS**

The MICS proforma contained in this annex is comprised of information in tabular form, in accordance with ITU-T Rec. X.724 | ISO/IEC 10165-6. In addition to the general guidance given in ITU-T Rec. X.724 | ISO/IEC 10165-6, the Additional information column shall be used to identify the object classes for which the management operations are supported. The supplier of the implementation shall state which items are supported in tables below and if necessary, provide additional information.

**E.3 Symbols, abbreviations and terms**

The MICS proforma contained in this Annex is comprised of information in tabular form, in accordance with CCITT Rec. X.291 | ISO/IEC 9646-2.

The notations used in the Status and Support columns are specified in D.1.3.

**E.4 Statement of conformance to the management information**

**E.4.1 Attributes**

The specifier of a manager role implementation that claims to support management operations on the attributes specified in this International Standard shall import a copy of this table and complete it.

**E.4.1.1 The CLNS managed object**

**Table E.1 – cLNS Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	c1		o.1		o.1		-		-		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c1		o.1		-		-		-		-		
3	"ISO/IEC 10589 : 1993": areaAddresses	{2 13 0 1 7 18}	SET OF OCTET STRING	-		o.1		-		-		-		-		
4	"ISO/IEC 10589 : 1993": areaReceivePasswords	{2 13 0 1 7 112}	SET OF OCTET STRING	c1		o.1		o.1		o.1		o.1		o.1		
5	"ISO/IEC 10589 : 1993": areaTransmitPassword	{2 13 0 1 7 111}	OCTET STRING	c1		o.1		o.1		-		-		o.1		
6	assemblingSegmentsDiscarded	{2 13 0 2 7 8}	INTEGER	-		o.1		-		-		-		-		
7	"ISO/IEC 10589 : 1993": attemptsToExceedMaximumSequenceNumber	{2 13 0 1 7 22}	INTEGER	-		o.1		-		-		-		-		

<sup>1)</sup> Users of this International Standard may freely reproduce the MICS proforma in this Annex so that it can be used for its intended purpose, and may further publish the completed MICS.

Table E.1 (continued) – cLNS Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
8	"ISO/IEC 10589 : 1993": authenticationFailures	{2 13 0 1 7 117}	INTEGER	-		o.1		-		-		-		-		
9	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": clProtocolMachineld	{2 9 3 5 7 2}	GraphicString	c1		o.1		-		-		-		-		
10	"ISO/IEC 10589 : 1993": completeSNPInterval	{2 13 0 1 7 8}	INTEGER	c1		o.1		o.1		-		-		-		
11	congestionDiscards	{2 13 0 2 7 11}	INTEGER	-		o.1		-		-		-		-		
12	"ISO/IEC 10589 : 1993": corruptedLSPsDetected	{2 13 0 1 7 19}	INTEGER	-		o.1		-		-		-		-		
13	"ISO/IEC 10589 : 1993": dRISISHelloTimer	{2 13 0 1 7 16}	INTEGER	c1		o.1		o.1		-		-		-		
14	"ISO/IEC 10589 : 1993": domainReceivePasswords	{2 13 0 1 7 114}	SET OF OCTET STRING	c1		o.1		o.1		o.1		o.1		o.1		
15	"ISO/IEC 10589 : 1993": domainTransmitPassword	{2 13 0 1 7 113}	OCTET STRING	c1		o.1		o.1		-		-		o.1		
16	enableChecksum	{2 13 0 2 7 4}	BOOLEAN	c1		o.1		o.1		-		-		o.1		
17	errorReportsReceived	{2 13 0 2 7 9}	INTEGER	-		o.1		-		-		-		-		
18	"ISO/IEC 10589 : 1993": idFieldLengthMismatches	{2 13 0 1 7 25}	INTEGER	-		o.1		-		-		-		-		
19	"ISO/IEC 10589 : 1993": iSType	{2 13 0 1 7 2}	ENUMERATED	c1		o.1		-		-		-		-		
20	"ISO/IEC 10589 : 1993": i1State	{2 13 0 1 7 17}	ENUMERATED	-		o.1		-		-		-		-		
21	"ISO/IEC 10589 : 1993": i2State	{2 13 0 1 7 28}	ENUMERATED	-		o.1		-		-		-		-		
22	"ISO/IEC 10589 : 1993": iSPL1DatabaseOverloads	{2 13 0 1 7 20}	INTEGER	-		o.1		-		-		-		-		
23	"ISO/IEC 10589 : 1993": iSPL2DatabaseOverloads	{2 13 0 1 7 32}	INTEGER	-		o.1		-		-		-		-		
24	"ISO/IEC 10589 : 1993": manualAddressesDroppedFromArea	{2 13 0 1 7 21}	INTEGER	-		o.1		-		-		-		-		
25	"ISO/IEC 10589 : 1993": manualAreaAddresses	{2 13 0 1 7 10}	SET OF OCTET STRING	-		o.1		-		-		-		-		
26	"ISO/IEC 10589 : 1993": maximumAreaAddresses	{2 13 0 1 7 4}	INTEGER "ISO/IEC 10589 : 1993": constraintViolation	c1		o.1		o.1		-		-		-		
27	"ISO/IEC 10589 : 1993": maximumAreaAddressesMismatches	{2 13 0 1 7 118}	INTEGER	-		o.1		-		-		-		-		
28	"ISO/IEC 10589 : 1993": maximumLSPGenerationInterval	{2 13 0 1 7 6}	INTEGER	c1		o.1		o.1		-		-		-		
29	maximumLifetime	{2 13 0 2 7 192}	INTEGER	c1		o.1		o.1		-		-		-		
30	"ISO/IEC 10589 : 1993": maximumPathSplits	{2 13 0 1 7 3}	INTEGER "ISO/IEC 10589 : 1993": constraintViolation	c1		o.1		o.1		-		-		-		
31	"ISO/IEC 10589 : 1993": maximumVirtualAdjacencies	{2 13 0 1 7 27}	INTEGER "ISO/IEC 10589 : 1993": constraintViolation	c1		o.1		o.1		-		-		o.1		
32	"ISO/IEC 10589 : 1993": minimumBroadcastLSPTransmissionInterval	{2 13 0 1 7 7}	INTEGER	c1		o.1		o.1		-		-		-		
33	"ISO/IEC 10589 : 1993": minimumLSPGenerationInterval	{2 13 0 1 7 11}	INTEGER	c1		o.1		o.1		-		-		-		
34	"ISO/IEC 10589 : 1993": minimumLSPTransmissionInterval	{2 13 0 1 7 5}	INTEGER	c1		o.1		o.1		-		-		-		
35	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c1		o.1		-		-		-		-		

Table E.1 (concluded) – cLNS Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
36	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	(2 9 3 2 7 65)	ObjectClass	c1		o.1		-		-		-		-		
37	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	(2 9 3 2 7 78)	INTEGER	-		o.1		-		-		-		-		
38	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	(2 9 3 2 7 80)	INTEGER	-		o.1		-		-		-		-		
39	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	(2 9 3 2 7 35)	ENUMERATED	-		o.1		-		-		-		-		
40	operationalSystemType	(2 13 0 2 7 109)	ENUMERATED	c1		o.1		-		-		-		-		
41	"ISO/IEC 10589 : 1993": originatingL1LSPBufferSize	(2 13 0 1 7 9)	INTEGER "ISO/IEC 10589 : 1993": constraintViolation	c1		o.1		o.1		-		-		-		
42	"ISO/IEC 10589 : 1993": originatingL2LSPBufferSize	(2 13 0 1 7 26)	INTEGER "ISO/IEC 10589 : 1993": constraintViolation	c1		o.1		o.1		-		-		o.1		
43	"ISO/IEC 10589 : 1993": ownLSPPurges	(2 13 0 1 7 24)	INTEGER	-		o.1		-		-		-		-		
44	pDUDiscards	(2 13 0 2 7 10)	INTEGER	-		o.1		-		-		-		-		
45	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	(2 9 3 2 7 66)	SET OF OBJECT IDENTIFIER	c1		o.1		-		-		-		-		
46	"ISO/IEC 10589 : 1993": partialSNPIInterval	(2 13 0 1 7 14)	INTEGER	c1		o.1		o.1		-		-		-		
47	"ISO/IEC 10589 : 1993": partitionAreaAddresses	(2 13 0 1 7 29)	SET OF OCTET STRING	-		o.1		-		-		-		-		
48	"ISO/IEC 10589 : 1993": partitionDesignatedL2IntermediateSystem	(2 13 0 1 7 30)	OCTET STRING	-		o.1		-		-		-		-		
49	"ISO/IEC 10589 : 1993": partitionVirtualLinkChanges	(2 13 0 1 7 31)	INTEGER	-		o.1		-		-		-		-		
50	"ISO/IEC 10589 : 1993": pollESHelloRate	(2 13 0 1 7 13)	INTEGER	c1		o.1		o.1		-		-		-		
51	segmentsDiscarded	(2 13 0 2 7 7)	INTEGER	-		o.1		-		-		-		-		
52	segmentsReceived	(2 13 0 2 7 6)	INTEGER	-		o.1		-		-		-		-		
53	segmentsSent	(2 13 0 2 7 118)	INTEGER	-		o.1		-		-		-		-		
54	"ISO/IEC 10589 : 1993": sequenceNumberSkips	(2 13 0 1 7 23)	INTEGER	-		o.1		-		-		-		-		
55	supportedProtocols	(2 13 0 2 7 110)	SET OF SEQUENCE	-		o.1		-		-		-		-		
56	"ISO/IEC 10589 : 1993": systemid	(2 13 0 1 7 119)	OCTET STRING	-		o.1		-		-		-		-		
57	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": totalRemoteSAPs	(2 9 3 5 7 13)	INTEGER	-		o.1		-		-		-		-		
58	"ISO/IEC 10589 : 1993": version	(2 13 0 1 7 1)	GraphicString	-		o.1		-		-		-		-		
59	"ISO/IEC 10589 : 1993": waitingTime	(2 13 0 1 7 15)	INTEGER	c1		o.1		o.1		-		-		-		

c1: IF E.28/1a THEN o.1 ELSE -

E.4.1.2 The CONS managed object

Table E.2 – cONS Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	c2			o.1		o.1		-		-			
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c2			o.1		-		-		-			
3	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": clProtocolMachinelid	{2 9 3 5 7 2}	GraphicString	c2			o.1		-		-		-			
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c2			o.1		-		-		-			
5	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c2			o.1		-		-		-			
6	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	-			o.1		-		-		-			
7	operationalSystemType	{2 13 0 2 7 109}	ENUMERATED	c2			o.1		-		-		-			
8	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c2			o.1		-		-		-			

c2: IF E.29/1a THEN o.1 ELSE -

E.4.1.3 The recommendation D series counts managed object

Table E.3 – dSeriesCounts Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support			
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c3			o.1		-		-		-			
2	dSeriesId	{2 13 0 2 7 140}	GraphicString	c3			o.1		-		-		-			
3	dSeriesResetRequestIndicationPackets	{2 13 0 2 7 141}	INTEGER	-			o.1		-		-		-			
4	dSeriesSegmentsReceived	{2 13 0 2 7 143}	INTEGER	-			o.1		-		-		-			
5	dSeriesSegmentsSent	{2 13 0 2 7 142}	INTEGER	-			o.1		-		-		-			
6	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c3			o.1		-		-		-			
7	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c3			o.1		-		-		-			
8	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c3			o.1		-		-		-			

c3: IF E.30/1a THEN o.1 ELSE -

E.4.1.4 The linkage managed object

Table E.4 – linkage Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	activeESConfigTimer	{2 13 0 2 7 22}	SEQUENCE	-		o.1		-		-		-		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	c4		o.1		o.1		-		-		-		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c4		o.1		-		-		-		-		
4	"ISO/IEC 10589 : 1993": authenticationFailures	{2 13 0 1 7 117}	INTEGER	-		o.1		-		-		-		-		
5	"ISO/IEC 10589 : 1993": callEstablishmentDefaultMetricIncrement	{2 13 0 1 7 52}	INTEGER	c4		o.1		o.1		-		-		o.1		
6	"ISO/IEC 10589 : 1993": callEstablishmentDelayMetricIncrement	{2 13 0 1 7 53}	INTEGER	c4		o.1		o.1		-		-		o.1		
7	"ISO/IEC 10589 : 1993": callEstablishmentErrorMetricIncrement	{2 13 0 1 7 55}	INTEGER	c4		o.1		o.1		-		-		o.1		
8	"ISO/IEC 10589 : 1993": callEstablishmentExpenseMetricIncrement	{2 13 0 1 7 54}	INTEGER	c4		o.1		o.1		-		-		o.1		
9	callsFailed	{2 13 0 2 7 30}	INTEGER	-		o.1		-		-		-		-		
10	callsPlaced	{2 13 0 2 7 29}	INTEGER	-		o.1		-		-		-		-		
11	"ISO/IEC 10589 : 1993": changesInAdjacencyState	{2 13 0 1 7 40}	INTEGER	-		o.1		-		-		-		-		
12	"ISO/IEC 10589 : 1993": circuitReceivePasswords	{2 13 0 1 7 116}	SET OF OCTET STRING	c4		o.1		o.1		o.1		o.1		o.1		
13	"ISO/IEC 10589 : 1993": circuitTransmitPassword	{2 13 0 1 7 115}	OCTET STRING	c4		o.1		o.1		-		-		o.1		
14	defaultESConfigTimer	{2 13 0 2 7 21}	SEQUENCE	c4		o.1		o.1		-		-		o.1		
15	eSReachabilityChanges	{2 13 0 2 7 27}	INTEGER	-		o.1		-		-		-		-		
16	enableChecksum	{2 13 0 2 7 4}	BOOLEAN	c4		o.1		o.1		-		-		o.1		
17	"ISO/IEC 10589 : 1993": externalDomain	{2 13 0 1 7 46}	BOOLEAN	c4		o.1		o.1		-		-		o.1		
18	holdingTimerMultiplier	{2 13 0 2 7 20}	INTEGER	c4		o.1		o.1		-		-		o.1		
19	"ISO/IEC 10589 : 1993": iDFieldLengthMismatches	{2 13 0 1 7 25}	INTEGER	-		o.1		-		-		-		-		
20	iSConfigurationTimer	{2 13 0 2 7 24}	SEQUENCE	c4		o.1		o.1		-		-		o.1		
21	"ISO/IEC 10589 : 1993": iSISControlPDUsReceived	{2 13 0 1 7 44}	INTEGER	-		o.1		-		-		-		-		
22	"ISO/IEC 10589 : 1993": iSISControlPDUsSent	{2 13 0 1 7 43}	INTEGER	-		o.1		-		-		-		-		
23	"ISO/IEC 10589 : 1993": iSISHelloTimer	{2 13 0 1 7 45}	INTEGER	c4		o.1		o.1		-		-		o.1		
24	iSO9542OperationalSubsets	{2 13 0 2 7 115}	BIT STRING	c4		o.1		o.1		-		-		-		
25	iSReachabilityChanges	{2 13 0 2 7 23}	INTEGER	-		o.1		-		-		-		-		
26	idleTimer	{2 13 0 2 7 31}	SEQUENCE	c4		o.1		o.1		-		-		o.1		
27	initialMinimumTimer	{2 13 0 2 7 33}	SEQUENCE	c4		o.1		o.1		-		-		o.1		
28	"ISO/IEC 10589 : 1993": initializationFailures	{2 13 0 1 7 41}	INTEGER	-		o.1		-		-		-		-		
29	invalid9542PDUs	{2 13 0 2 7 101}	INTEGER	-		o.1		-		-		-		-		
30	"ISO/IEC 10589 : 1993": l1CircuitID	{2 13 0 1 7 48}	OCTET STRING	-		o.1		-		-		-		-		
31	"ISO/IEC 10589 : 1993": l1DefaultMetric	{2 13 0 1 7 35}	INTEGER	c4		o.1		o.1		-		-		o.1		
32	"ISO/IEC 10589 : 1993": l1DelayMetric	{2 13 0 1 7 36}	INTEGER	c4		o.1		o.1		-		-		o.1		
33	"ISO/IEC 10589 : 1993": l1DesignatedIntermediateSystem	{2 13 0 1 7 49}	OCTET STRING	-		o.1		-		-		-		-		
34	"ISO/IEC 10589 : 1993": l1ErrorMetric	{2 13 0 1 7 38}	INTEGER	c4		o.1		o.1		-		-		o.1		
35	"ISO/IEC 10589 : 1993": l1ExpenseMetric	{2 13 0 1 7 37}	INTEGER	c4		o.1		o.1		-		-		o.1		



Table E.4 (concluded) – linkage Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
36	"ISO/IEC 10589 : 1993": l1IntermediateSystemPriority	{2 13 0 1 7 47}	INTEGER	c4		o.1		o.1		-		-		o.1		
37	"ISO/IEC 10589 : 1993": l2CircuitID	{2 13 0 1 7 74}	OCTET STRING	-		o.1		-		-		-		-		
38	"ISO/IEC 10589 : 1993": l2DefaultMetric	{2 13 0 1 7 68}	INTEGER	c4		o.1		o.1		-		-		o.1		
39	"ISO/IEC 10589 : 1993": l2DelayMetric	{2 13 0 1 7 69}	INTEGER	c4		o.1		o.1		-		-		o.1		
40	"ISO/IEC 10589 : 1993": l2DesignatedIntermediateSystem	{2 13 0 1 7 75}	OCTET STRING	-		o.1		-		-		-		-		
41	"ISO/IEC 10589 : 1993": l2ErrorMetric	{2 13 0 1 7 71}	INTEGER	c4		o.1		o.1		-		-		o.1		
42	"ISO/IEC 10589 : 1993": l2ExpenseMetric	{2 13 0 1 7 70}	INTEGER	c4		o.1		o.1		-		-		o.1		
43	"ISO/IEC 10589 : 1993": l2IntermediateSystemPriority	{2 13 0 1 7 73}	INTEGER	c4		o.1		o.1		-		-		o.1		
44	"ISO/IEC 10589 : 1993": lanL1DesignatedIntermediateSystemChanges	{2 13 0 1 7 50}	INTEGER	-		o.1		-		-		-		-		
45	"ISO/IEC 10589 : 1993": lanL2DesignatedIntermediateSystemChanges	{2 13 0 1 7 76}	INTEGER	-		o.1		-		-		-		-		
46	linkageId	{2 13 0 2 7 17}	GraphicString	c4		o.1		-		-		-		-		
47	manualISSNPAAddress	{2 13 0 2 7 28}	SET OF SEQUENCE	c4		o.1		o.1		o.1		o.1		o.1		
48	"ISO/IEC 10589 : 1993": manualL2OnlyMode	{2 13 0 1 7 72}	BOOLEAN "ISO/IEC 10589 : 1993": constraintViolation	c4		o.1		o.1		-		-		o.1		
49	"ISO/IEC 10589 : 1993": maximumAreaAddressesMismatches	{2 13 0 1 7 118}	INTEGER	-		o.1		-		-		-		-		
50	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c4		o.1		-		-		-		-		
51	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	Object Class	c4		o.1		-		-		-		-		
52	operationalProtocols	{2 13 0 2 7 111}	SET OF SEQUENCE	c4		o.1		-		-		-		-		
53	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	-		o.1		-		-		-		-		
54	"ISO/IEC 10589 : 1993": outgoingCallVMO	{2 13 0 1 7 120}	OCTET STRING	c4		o.1		o.1		-		-		o.1		
55	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c4		o.1		-		-		-		-		
56	"ISO/IEC 10589 : 1993": ptPtCircuitID	{2 13 0 1 7 51}	OCTET STRING	-		o.1		-		-		-		-		
57	redirectHoldingTime	{2 13 0 2 7 26}	INTEGER	c4		o.1		o.1		-		-		o.1		
58	"ISO/IEC 10589 : 1993": rejectedAdjacencies	{2 13 0 1 7 42}	INTEGER	-		o.1		-		-		-		-		
59	reserveTimer	{2 13 0 2 7 32}	SEQUENCE	c4		o.1		o.1		-		-		o.1		
60	sN-SAP	{2 13 0 2 7 18}	ObjectInstance	-		o.1		-		-		-		-		
61	sN-ServiceProvider	{2 13 0 2 7 19}	ObjectInstance	c4		o.1		-		-		-		-		
62	suggestedESConfigurationTimer	{2 13 0 2 7 25}	SEQUENCE	c4		o.1		o.1		-		-		o.1		
63	"ISO/IEC 10589 : 1993": type	{2 13 0 1 7 33}	ENUMERATED	c4		o.1		-		-		-		-		
64	neighbourSNPAAddress	{2 13 0 1 7 79}	SEQUENCE	c4		o.1		o.1		-		-		o.1		

c4: IF E.31/1a THEN o.1 ELSE -

E.4.1.5 The NSAP managed object

Table E.5 – nSAP Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c5		o.1		-		-		-		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c5		o.1		-		-		-		-		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c5		o.1		-		-		-		-		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c5		o.1		-		-		-		-		
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": providerEntityNames	{2 9 3 5 7 7}	SET OF ObjectInstance	-		o.1		-		-		-		-		
6	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": sap2Address	{2 9 3 5 7 9}	SET OF OCTET STRING	c5		o.1		-		-		-		-		
7	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": sapId	{2 9 3 5 7 10}	GraphicString	c5		o.1		-		-		-		-		
8	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": userEntityNames	{2 9 3 5 7 15}	SET OF ObjectInstance	-		o.1		-		-		-		-		

c5: IF E.32/1a THEN o.1 ELSE -

E.4.1.6 The network connection managed object

Table E.6 – networkConnection Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support			
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	-		o.1		-		-		-		-		
2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": connectionId	{2 9 3 5 7 1}	GraphicString	-		o.1		-		-		-		-		
3	localNSAPMG	{2 13 0 2 7 106}	ObjectInstance	-		o.1		-		-		-		-		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	-		o.1		-		-		-		-		
5	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	-		o.1		-		-		-		-		
6	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	-		o.1		-		-		-		-		
7	remoteNSAPAddress	{2 13 0 2 7 107}	OCTET STRING	-		o.1		-		-		-		-		
8	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": supportedConnectionNames	{2 9 3 5 7 12}	SET OF ObjectInstance	-		o.1		-		-		-		-		

**Table E.6 (concluded) – networkConnection Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
9	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": underlyingConnectionNames	{2 9 3 5 7 14}	SET OF ObjectInstance	-		o.1		-		-		-		-		

**E.4.1.7 The network entity managed object**

**Table E.7 – networkEntity Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c6		o.1		-		-		-		-		
2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsEntityId	{2 9 3 5 7 0}	GraphicString	c6		o.1		-		-		-		-		
3	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": localSapNames	{2 9 3 5 7 6}	SET OF ObjectInstance	-		o.1		-		-		-		-		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c6		o.1		-		-		-		-		
5	networkEntityTitles	{2 13 0 2 7 3}	SET OF OCTET STRING	c6		o.1		o.1		o.1		o.1		-		
6	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c6		o.1		-		-		-		-		
7	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	-		o.1		-		-		-		-		
8	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c6		o.1		-		-		-		-		
9	systemTypes	{2 13 0 2 7 106}	SET OF ENUMERATED	-		o.1		-		-		-		-		

c6: IF E.34/1a THEN o.1 ELSE -

**E.4.1.8 The network subsystem managed object**

**Table E.8 – networkSubsystem Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	-		o.1		-		-		-		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	-		o.1		-		-		-		-		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	-		o.1		-		-		-		-		

Table E.8 (concluded) – networkSubsystem Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	-	-	o.1	-	-	-	-	-	-	-	-	-	
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": subsystemId	{2 9 3 5 7 11}	GraphicString	-	-	o.1	-	-	-	-	-	-	-	-	-	

E.4.1.9 The permanent virtual circuit DCE managed object

Table E.9 – permanentVirtualCircuit-DCE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	o.1	-	o.1	-	-	-	-	-	-	-	-	-	
2	chargingDirection	{2 13 0 2 7 131}	BOOLEAN	-	-	o.1	-	-	-	-	-	-	-	-	-	
3	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
4	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
5	interruptPacketsReceived	{2 13 0 2 7 68}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
6	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
7	interruptTimerExpires	{2 13 0 2 7 69}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
8	logicalChannel	{2 13 0 2 7 89}	INTEGER	o.1	-	o.1	-	-	-	-	-	-	-	-	-	
9	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o.1	-	o.1	-	-	-	-	-	-	-	-	-	
10	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	o.1	-	o.1	-	-	-	-	-	-	-	-	-	
11	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
12	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
13	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	-	-	o.1	-	-	-	-	-	-	-	-	-	
14	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o.1	-	o.1	-	-	-	-	-	-	-	-	-	
15	packetSizes	{2 13 0 2 7 121}	SEQUENCE	o.1	-	o.1	-	-	-	-	-	-	-	-	-	
16	providerInitiatedDisconnects	{2 13 0 2 7 54}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
17	providerInitiatedResets	{2 13 0 2 7 59}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
18	remoteDTEAddress	{2 13 0 2 7 93}	SEQUENCE	-	-	o.1	-	-	-	-	-	-	-	-	-	
19	remoteLogicalChannel	{2 13 0 2 7 162}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
20	remotelyInitiatedResets	{2 13 0 2 7 57}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
21	remotelyInitiatedRestarts	{2 13 0 2 7 61}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
22	resetTimeouts	{2 13 0 2 7 60}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
23	throughputClasses	{2 13 0 2 7 96}	SEQUENCE	o.1	-	o.1	-	-	-	-	-	-	-	-	-	
24	virtualCircuitId	{2 13 0 2 7 116}	GraphicString	o.1	-	o.1	-	-	-	-	-	-	-	-	-	
25	windowSizes	{2 13 0 2 7 124}	SEQUENCE	o.1	-	o.1	-	-	-	-	-	-	-	-	-	
26	x25SegmentsReceived	{2 13 0 2 7 171}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	
27	x25SegmentsSent	{2 13 0 2 7 170}	INTEGER	-	-	o.1	-	-	-	-	-	-	-	-	-	

**E.4.1.10 The permanent virtual circuit DTE managed object**

**Table E.10 – permanentVirtualCircuit-DTE Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	o.1		o.1		-		-		-		-		
2	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	-		o.1		-		-		-		-		
3	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	-		o.1		-		-		-		-		
4	dataRetransmissionTimerExpiries	{2 13 0 2 7 58}	INTEGER	-		o.1		-		-		-		-		
5	interruptPacketsReceived	{2 13 0 2 7 68}	INTEGER	-		o.1		-		-		-		-		
6	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	-		o.1		-		-		-		-		
7	interruptTimerExpiries	{2 13 0 2 7 69}	INTEGER	-		o.1		-		-		-		-		
8	logicalChannel	{2 13 0 2 7 89}	INTEGER	o.1		o.1		-		-		-		-		
9	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o.1		o.1		-		-		-		-		
10	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	o.1		o.1		-		-		-		-		
11	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	-		o.1		-		-		-		-		
12	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	-		o.1		-		-		-		-		
13	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o.1		o.1		-		-		-		-		
14	packetSizes	{2 13 0 2 7 121}	SEQUENCE	o.1		o.1		-		-		-		-		
15	providerInitiatedResets	{2 13 0 2 7 59}	INTEGER	-		o.1		-		-		-		-		
16	remotelyInitiatedResets	{2 13 0 2 7 57}	INTEGER	-		o.1		-		-		-		-		
17	resetTimeouts	{2 13 0 2 7 60}	INTEGER	-		o.1		-		-		-		-		
18	throughputClasses	{2 13 0 2 7 96}	SEQUENCE	o.1		o.1		-		-		-		-		
19	virtualCircuitId	{2 13 0 2 7 116}	GraphicString	o.1		o.1		-		-		-		-		
20	windowSizes	{2 13 0 2 7 124}	SEQUENCE	o.1		o.1		-		-		-		-		

**E.4.1.11 The virtual call DCE managed object**

**Table E.11 – virtualCall-DCE Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c7		o.1		-		-		-		-		
2	bilateralCUGSelection	{2 13 0 2 7 126}	BOOLEAN	-		o.1		-		-		-		-		
3	cUGSelection	{2 13 0 2 7 135}	BOOLEAN	-		o.1		-		-		-		-		
4	cUGWithOutgoingAccessSelection	{2 13 0 2 7 138}	BOOLEAN	-		o.1		-		-		-		-		
5	callRedirectionDeflectionNotification	{2 13 0 2 7 130}	BOOLEAN	-		o.1		-		-		-		-		
6	calledLineAddressModifiedNotification	{2 13 0 2 7 128}	BOOLEAN	-		o.1		-		-		-		-		
7	chargingDirection	{2 13 0 2 7 131}	BOOLEAN	-		o.1		-		-		-		-		
8	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	-		o.1		-		-		-		-		
9	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	-		o.1		-		-		-		-		
10	direction	{2 13 0 2 7 92}	ENUMERATED	-		o.1		-		-		-		-		
11	fastSelect	{2 13 0 2 7 76}	ENUMERATED	-		o.1		-		-		-		-		
12	interruptPacketsReceived	{2 13 0 2 7 68}	INTEGER	-		o.1		-		-		-		-		
13	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	-		o.1		-		-		-		-		

Table E.11 (concluded) – virtualCall-DCE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
14	interruptTimerExpiries	{2 13 0 2 7 69}	INTEGER	-		o.1		-		-		-		-		
15	logicalChannel	{2 13 0 2 7 89}	INTEGER	-		o.1		-		-		-		-		
16	nUISelection	{2 13 0 2 7 155}	BOOLEAN	-		o.1		-		-		-		-		
17	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c7		o.1		-		-		-		-		
18	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c7		o.1		-		-		-		-		
19	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	-		o.1		-		-		-		-		
20	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	-		o.1		-		-		-		-		
21	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c7		o.1		-		-		-		-		
22	packetSizes	{2 13 0 2 7 121}	SEQUENCE	-		o.1		-		-		-		-		
23	providerInitiatedDisconnects	{2 13 0 2 7 54}	INTEGER	-		o.1		-		-		-		-		
24	providerInitiatedResets	{2 13 0 2 7 59}	INTEGER	-		o.1		-		-		-		-		
25	rPOASelection	{2 13 0 2 7 166}	BOOLEAN	-		o.1		-		-		-		-		
26	remoteDTEAddress	{2 13 0 2 7 93}	SEQUENCE	-		o.1		-		-		-		-		
27	remotelyInitiatedResets	{2 13 0 2 7 57}	INTEGER	-		o.1		-		-		-		-		
28	remotelyInitiatedRestarts	{2 13 0 2 7 61}	INTEGER	-		o.1		-		-		-		-		
29	resetTimeouts	{2 13 0 2 7 60}	INTEGER	-		o.1		-		-		-		-		
30	reverseCharging	{2 13 0 2 7 75}	BOOLEAN	-		o.1		-		-		-		-		
31	throughputClasses	{2 13 0 2 7 96}	SEQUENCE	-		o.1		-		-		-		-		
32	transitDelaySelectionAndIndication	{2 13 0 2 7 169}	BOOLEAN	-		o.1		-		-		-		-		
33	virtualCircuitId	{2 13 0 2 7 116}	GraphicString	c7		o.1		-		-		-		-		
34	windowSizes	{2 13 0 2 7 124}	SEQUENCE	-		o.1		-		-		-		-		
35	x25SegmentsReceived	{2 13 0 2 7 171}	INTEGER	-		o.1		-		-		-		-		
36	x25SegmentsSent	{2 13 0 2 7 170}	INTEGER	-		o.1		-		-		-		-		

c7: IF E.37/1a THEN o.1 ELSE -

E.4.1.12 The virtual call DTE managed object

Table E.12 – virtualCall-DTE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support			
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	-		o.1		-		-		-		-		
2	calledAddressExtension	{2 13 0 2 7 100}	OCTET STRING	-		o.1		-		-		-		-		
3	callingAddressExtension	{2 13 0 2 7 99}	OCTET STRING	-		o.1		-		-		-		-		
4	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	-		o.1		-		-		-		-		
5	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	-		o.1		-		-		-		-		
6	dataRetransmissionTimerExpiries	{2 13 0 2 7 58}	INTEGER	-		o.1		-		-		-		-		
7	direction	{2 13 0 2 7 92}	ENUMERATED	-		o.1		-		-		-		-		
8	fastSelect	{2 13 0 2 7 76}	ENUMERATED	-		o.1		-		-		-		-		
9	interruptPacketsReceived	{2 13 0 2 7 68}	INTEGER	-		o.1		-		-		-		-		
10	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	-		o.1		-		-		-		-		
11	interruptTimerExpiries	{2 13 0 2 7 69}	INTEGER	-		o.1		-		-		-		-		
12	logicalChannel	{2 13 0 2 7 89}	INTEGER	-		o.1		-		-		-		-		

Table E.12 (concluded) – virtualCall-DTE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
13	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	-		o.1		-		-		-		-		
14	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	-		o.1		-		-		-		-		
15	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	-		o.1		-		-		-		-		
16	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	-		o.1		-		-		-		-		
17	originallyCalledAddress	{2 13 0 2 7 98}	SEQUENCE	-		o.1		-		-		-		-		
18	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	-		o.1		-		-		-		-		
19	packetSizes	{2 13 0 2 7 121}	SEQUENCE	-		o.1		-		-		-		-		
20	providerInitiatedResets	{2 13 0 2 7 59}	INTEGER	-		o.1		-		-		-		-		
21	redirectReason	{2 13 0 2 7 97}	INTEGER	-		o.1		-		-		-		-		
22	remoteDTEAddress	{2 13 0 2 7 93}	SEQUENCE	-		o.1		-		-		-		-		
23	remotelyInitiatedResets	{2 13 0 2 7 57}	INTEGER	-		o.1		-		-		-		-		
24	resetTimeouts	{2 13 0 2 7 60}	INTEGER	-		o.1		-		-		-		-		
25	reverseCharging	{2 13 0 2 7 75}	BOOLEAN	-		o.1		-		-		-		-		
26	throughputClasses	{2 13 0 2 7 96}	SEQUENCE	-		o.1		-		-		-		-		
27	virtualCircuitId	{2 13 0 2 7 116}	GraphicString	-		o.1		-		-		-		-		
28	windowSizes	{2 13 0 2 7 124}	SEQUENCE	-		o.1		-		-		-		-		

E.4.1.13 The virtual call initial values managed object

Table E.13 – virtualCallVMO Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support			
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	o.1		o.1		-		-		-		-		
2	fastSelect	{2 13 0 2 7 76}	ENUMERATED	o.1		o.1		o.1		-		-		-		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o.1		o.1		-		-		-		-		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	o.1		o.1		-		-		-		-		
5	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o.1		o.1		-		-		-		-		
6	packetSizes	{2 13 0 2 7 121}	SEQUENCE	o.1		o.1		o.1		-		-		-		
7	reverseCharging	{2 13 0 2 7 75}	BOOLEAN	o.1		o.1		o.1		-		-		-		
8	throughputClasses	{2 13 0 2 7 96}	SEQUENCE	o.1		o.1		o.1		-		-		-		
9	virtualCallVMOld	{2 13 0 2 7 117}	GraphicString	o.1		o.1		-		-		-		-		
10	windowSizes	{2 13 0 2 7 124}	SEQUENCE	o.1		o.1		o.1		-		-		-		

E.4.1.14 The X25 PLE DCE managed object

Table E.14 – x25PLE-DCE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	c8		o.1		o.1		-		-		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c8		o.1		-		-		-		-		
3	bilateralCUG	{2 13 0 2 7 125}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
4	bilateralCUGWithOutgoingAccess	{2 13 0 2 7 127}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
5	cUG	{2 13 0 2 7 134}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
6	cUGWithIncomingAccess	{2 13 0 2 7 136}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
7	cUGWithOutgoingAccess	{2 13 0 2 7 137}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
8	callAttempts	{2 13 0 2 7 52}	INTEGER	-		o.1		-		-		-		-		
9	callDeflectionSubscription	{2 13 0 2 7 114}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
10	callRedirection	{2 13 0 2 7 129}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
11	callsConnected	{2 13 0 2 7 53}	INTEGER	-		o.1		-		-		-		-		
12	chargingInformation	{2 13 0 2 7 132}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
13	clearIndication	{2 13 0 2 7 133}	INTEGER	c8		o.1		o.1		-		-		-		
14	dBitModification	{2 13 0 2 7 139}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
15	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	-		o.1		-		-		-		-		
16	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	-		o.1		-		-		-		-		
17	defaultPacketSizes	{2 13 0 2 7 103}	SEQUENCE	c8		o.1		o.1		-		-		o.1		
18	defaultThroughputClasses	{2 13 0 2 7 112}	SEQUENCE	c8		o.1		o.1		-		-		o.1		
19	defaultThroughputClassesAssignment	{2 13 0 2 7 144}	SEQUENCE	c8		o.1		o.1		-		-		o.1		
20	defaultWindowSizees	{2 13 0 2 7 104}	SEQUENCE	c8		o.1		o.1		-		-		o.1		
21	extendedPacketSequenceNumbering	{2 13 0 2 7 49}	INTEGER	c8		o.1		o.1		-		-		o.1		
22	fastSelectAcceptance	{2 13 0 2 7 145}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
23	flowControlParameterNegotiation	{2 13 0 2 7 119}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
24	huntGroup	{2 13 0 2 7 146}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
25	incomingCall	{2 13 0 2 7 147}	INTEGER	c8		o.1		o.1		-		-		-		
26	incomingCallBarredWithinCUG	{2 13 0 2 7 149}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
27	incomingCallsBarred	{2 13 0 2 7 148}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
28	interruptPacketsReceived	{2 13 0 2 7 68}	INTEGER	-		o.1		-		-		-		-		
29	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	-		o.1		-		-		-		-		
30	interruptTimerExpires	{2 13 0 2 7 69}	INTEGER	-		o.1		-		-		-		-		
31	localChargingPrevention	{2 13 0 2 7 150}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
32	localDTEAddress	{2 13 0 2 7 39}	SEQUENCE	c8		o.1		o.1		-		-		-		
33	logicalChannelAssignments	{2 13 0 2 7 48}	SEQUENCE	c8		o.1		o.1		-		-		-		
34	nUIOverride	{2 13 0 2 7 154}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
35	nUISubscription	{2 13 0 2 7 153}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
36	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c8		o.1		-		-		-		-		
37	nonStandardDefaultPacketSizes	{2 13 0 2 7 151}	SEQUENCE	c8		o.1		o.1		-		-		o.1		
38	nonStandardDefaultWindowSizes	{2 13 0 2 7 152}	SEQUENCE	c8		o.1		o.1		-		-		o.1		
39	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c8		o.1		-		-		-		-		
40	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	-		o.1		-		-		-		-		
41	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	-		o.1		-		-		-		-		
42	oneWayLogicalChannelIncoming	{2 13 0 2 7 156}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
43	oneWayLogicalChannelOutgoing	{2 13 0 2 7 157}	BOOLEAN	c8		o.1		o.1		-		-		o.1		

Table E.14 (concluded) – x25PLE-DCE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
44	onlineFacilityRegistration	{2 13 0 2 7 158}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
45	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	-		o.1		-		-		-		-		
46	outgoingCallBarredWithinCUG	{2 13 0 2 7 160}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
47	outgoingCallsBarred	{2 13 0 2 7 159}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
48	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c8		o.1		-		-		-		-		
49	packetRetransmission	{2 13 0 2 7 161}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
50	protocolVersionSupported	{2 13 0 2 7 38}	ENUMERATED	-		o.1		-		-		-		-		
51	providerInitiatedDisconnects	{2 13 0 2 7 54}	INTEGER	-		o.1		-		-		-		-		
52	providerInitiatedResets	{2 13 0 2 7 59}	INTEGER	-		o.1		-		-		-		-		
53	rPOASubscription	{2 13 0 2 7 167}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
54	remotelyInitiatedResets	{2 13 0 2 7 57}	INTEGER	-		o.1		-		-		-		-		
55	remotelyInitiatedRestarts	{2 13 0 2 7 61}	INTEGER	-		o.1		-		-		-		-		
56	resetIndication	{2 13 0 2 7 163}	INTEGER	c8		o.1		o.1		-		-		-		
57	resetTimeouts	{2 13 0 2 7 60}	INTEGER	-		o.1		-		-		-		-		
58	restartIndication	{2 13 0 2 7 164}	INTEGER	c8		o.1		o.1		-		-		-		
59	reverseChargingAcceptance	{2 13 0 2 7 165}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
60	sN-SAP	{2 13 0 2 7 18}	ObjectInstance	-		o.1		-		-		-		-		
61	sN-ServiceProvider	{2 13 0 2 7 19}	ObjectInstance	c8		o.1		o.1		-		-		o.1		
62	throughputClassNegotiation	{2 13 0 2 7 168}	BOOLEAN	c8		o.1		o.1		-		-		o.1		
63	x25PLEId	{2 13 0 2 7 36}	GraphicString	c8		o.1		-		-		-		-		
64	x25PLEMode	{2 13 0 2 7 120}	ENUMERATED	c8		o.1		o.1		-		-		-		
65	x25SegmentsReceived	{2 13 0 2 7 171}	INTEGER	-		o.1		-		-		-		-		
66	x25SegmentsSent	{2 13 0 2 7 170}	INTEGER	-		o.1		-		-		-		-		

c8: IF E.39/1a THEN o.1 ELSE -

E.4.1.15 The X25 PLE DTE managed object

Table E.15 – x25PLE-DTE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	c9		o.1		o.1		-		-		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c9		o.1		-		-		-		-		
3	callAttempts	{2 13 0 2 7 52}	INTEGER	-		o.1		-		-		-		-		
4	callDeflectionSubscription	{2 13 0 2 7 114}	BOOLEAN	c9		o.1		o.1		-		-		o.1		
5	callEstablishmentRetryCountsExceeded	{2 13 0 2 7 65}	INTEGER	-		o.1		-		-		-		-		
6	callRequestResponseTimer	{2 13 0 2 7 77}	INTEGER	c9		o.1		o.1		-		-		o.1		
7	callTimeouts	{2 13 0 2 7 55}	INTEGER	-		o.1		-		-		-		-		
8	callsConnected	{2 13 0 2 7 53}	INTEGER	-		o.1		-		-		-		-		
9	clearCountsExceeded	{2 13 0 2 7 66}	INTEGER	-		o.1		-		-		-		-		
10	clearRequestResponseTimer	{2 13 0 2 7 79}	INTEGER	c9		o.1		o.1		-		-		o.1		

Table E.15 (continued) – x25PLE-DTE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
11	clearRequestRetransmissionCount	{2 13 0 2 7 81}	INTEGER	c9		o.1		o.1		-		-		o.1		
12	clearTimeouts	{2 13 0 2 7 56}	INTEGER	-		o.1		-		-		-		-		
13	dataPacketRetransmissionCount	{2 13 0 2 7 85}	INTEGER	c9		o.1		o.1		-		-		o.1		
14	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	-		o.1		-		-		-		-		
15	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	-		o.1		-		-		-		-		
16	dataRetransmissionTimerExpires	{2 13 0 2 7 58}	INTEGER	-		o.1		-		-		-		-		
17	defaultPacketSizes	{2 13 0 2 7 103}	SEQUENCE	c9		o.1		o.1		-		-		o.1		
18	defaultThroughputClasses	{2 13 0 2 7 112}	SEQUENCE	c9		o.1		o.1		-		-		o.1		
19	defaultWindowSizees	{2 13 0 2 7 104}	SEQUENCE	c9		o.1		o.1		-		-		o.1		
20	extendedPacketSequenceNumbering	{2 13 0 2 7 49}	INTEGER	c9		o.1		o.1		-		-		o.1		
21	flowControlParameterNegotiation	{2 13 0 2 7 119}	BOOLEAN	c9		o.1		o.1		-		-		o.1		
22	interruptResponseTimer	{2 13 0 2 7 82}	INTEGER	c9		o.1		o.1		-		-		o.1		
23	localDTEAddress	{2 13 0 2 7 39}	SEQUENCE	c9		o.1		o.1		-		-		o.1		
24	logicalChannelAssignments	{2 13 0 2 7 48}	SEQUENCE	c9		o.1		o.1		-		-		-		
25	maxActiveCircuits	{2 13 0 2 7 41}	CHOICE	c9		o.1		o.1		-		-		o.1		
26	minimumRecallTimer	{2 13 0 2 7 43}	INTEGER	c9		o.1		o.1		-		-		o.1		
27	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c9		o.1		-		-		-		-		
28	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c9		o.1		-		-		-		-		
29	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	-		o.1		-		-		-		-		
30	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	-		o.1		-		-		-		-		
31	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	-		o.1		-		-		-		-		
32	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c9		o.1		-		-		-		-		
33	protocolErrorsAccusedOf	{2 13 0 2 7 64}	INTEGER	-		o.1		-		-		-		-		
34	protocolErrorsDetectedLocally	{2 13 0 2 7 63}	INTEGER	-		o.1		-		-		-		-		
35	protocolVersionSupported	{2 13 0 2 7 38}	ENUMERATED	-		o.1		-		-		-		-		
36	providerInitiatedDisconnects	{2 13 0 2 7 54}	INTEGER	-		o.1		-		-		-		-		
37	providerInitiatedResets	{2 13 0 2 7 59}	INTEGER	-		o.1		-		-		-		-		
38	registrationPermitted	{2 13 0 2 7 105}	BOOLEAN	c9		o.1		o.1		-		-		o.1		
39	registrationRequestResponseTimer	{2 13 0 2 7 44}	INTEGER	c9		o.1		o.1		-		-		o.1		
40	registrationRequestRetransmissionCount	{2 13 0 2 7 46}	INTEGER	c9		o.1		o.1		-		-		o.1		
41	rejectResponseTimer	{2 13 0 2 7 86}	INTEGER	c9		o.1		o.1		-		-		o.1		
42	rejectRetransmissionCount	{2 13 0 2 7 87}	INTEGER	c9		o.1		o.1		-		-		o.1		
43	remotelyInitiatedResets	{2 13 0 2 7 57}	INTEGER	-		o.1		-		-		-		-		
44	remotelyInitiatedRestarts	{2 13 0 2 7 61}	INTEGER	-		o.1		-		-		-		-		
45	resetRequestResponseTimer	{2 13 0 2 7 78}	INTEGER	c9		o.1		o.1		-		-		o.1		
46	resetRequestRetransmissionCount	{2 13 0 2 7 80}	INTEGER	c9		o.1		o.1		-		-		o.1		
47	resetTimeouts	{2 13 0 2 7 60}	INTEGER	-		o.1		-		-		-		-		
48	restartCountsExceeded	{2 13 0 2 7 62}	INTEGER	-		o.1		-		-		-		-		
49	restartRequestResponseTimer	{2 13 0 2 7 42}	INTEGER	c9		o.1		o.1		-		-		o.1		
50	restartRequestRetransmissionCount	{2 13 0 2 7 45}	INTEGER	c9		o.1		o.1		-		-		o.1		
51	sN-SAP	{2 13 0 2 7 18}	ObjectInstance	-		o.1		-		-		-		-		

**Table E.15 (concluded) – x25PLE-DTE Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
52	sN-ServiceProvider	{2 13 0 2 7 19}	ObjectInstance	c9				o.1							o.1	
53	throughputClassNegotiation	{2 13 0 2 7 168}	BOOLEAN	c9				o.1							o.1	
54	windowRotationTimer	{2 13 0 2 7 84}	INTEGER	c9				o.1							o.1	
55	windowStatusTransmissionTimer	{2 13 0 2 7 83}	INTEGER	c9				o.1							o.1	
56	x25PLEId	{2 13 0 2 7 36}	GraphicString	c9				-							-	
57	x25PLEMode	{2 13 0 2 7 120}	ENUMERATED	c9				o.1							-	

c9: IF E.40/1a THEN o.1 ELSE -

**E.4.1.16 The X25 PLE DCE initial values managed object**

**Table E.16 – x25PLEIVMO-DCE Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	o.1				-							-	
2	defaultPacketSizes	{2 13 0 2 7 103}	SEQUENCE	o.1				o.1							o.1	
3	defaultThroughputClasses	{2 13 0 2 7 112}	SEQUENCE	o.1				o.1							o.1	
4	defaultWindowSizes	{2 13 0 2 7 104}	SEQUENCE	o.1				o.1							o.1	
5	flowControlParameterNegotiation	{2 13 0 2 7 119}	BOOLEAN	o.1				o.1							o.1	
6	localDTEAddress	{2 13 0 2 7 39}	SEQUENCE	o.1				o.1							-	
7	logicalChannelAssignments	{2 13 0 2 7 48}	SEQUENCE	o.1				o.1							-	
8	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o.1				-							-	
9	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	o.1				-							-	
10	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o.1				-							-	
11	sN-ServiceProvider	{2 13 0 2 7 19}	ObjectInstance	o.1				o.1							-	
12	throughputClassNegotiation	{2 13 0 2 7 168}	BOOLEAN	o.1				o.1							o.1	
13	x25PLEIVMOld	{2 13 0 2 7 37}	GraphicString	o.1				o.1							-	
14	x25PLEMode	{2 13 0 2 7 120}	ENUMERATED	o.1				o.1							-	

**E.4.1.17 The X25 PLE DTE initial values managed object**

**Table E.17 – x25PLEIVMO-DTE Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	o.1				-							-	
2	callDeflectionSubscription	{2 13 0 2 7 114}	BOOLEAN	o.1				o.1							o.1	
3	callRequestResponseTimer	{2 13 0 2 7 77}	INTEGER	o.1				o.1							o.1	
4	clearRequestResponseTimer	{2 13 0 2 7 79}	INTEGER	o.1				o.1							o.1	
5	clearRequestRetransmissionCount	{2 13 0 2 7 81}	INTEGER	o.1				o.1							o.1	
6	dataPacketRetransmissionCount	{2 13 0 2 7 85}	INTEGER	o.1				o.1							o.1	
7	defaultPacketSizes	{2 13 0 2 7 103}	SEQUENCE	o.1				o.1							o.1	
8	defaultThroughputClasses	{2 13 0 2 7 112}	SEQUENCE	o.1				o.1							o.1	

Table E.17 (concluded) – x25PLEIVMO-DTE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
9	defaultWindowSizes	(2 13 0 2 7 104)	SEQUENCE	o,1		o,1		o,1		-		-		o,1		
10	extendedPacketSequenceNumbering	(2 13 0 2 7 49)	INTEGER	o,1		o,1		o,1		-		-		o,1		
11	flowControlParameterNegotiation	(2 13 0 2 7 119)	BOOLEAN	o,1		o,1		o,1		-		-		o,1		
12	interruptResponseTimer	(2 13 0 2 7 82)	INTEGER	o,1		o,1		o,1		-		-		o,1		
13	localDTEAddress	(2 13 0 2 7 39)	SEQUENCE	o,1		o,1		o,1		-		-		-		
14	logicalChannelAssignments	(2 13 0 2 7 48)	SEQUENCE	o,1		o,1		o,1		-		-		-		
15	maxActiveCircuits	(2 13 0 2 7 41)	CHOICE	o,1		o,1		o,1		-		-		o,1		
16	minimumRecallTimer	(2 13 0 2 7 43)	INTEGER	o,1		o,1		o,1		-		-		o,1		
17	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	(2 9 3 2 7 63)	OBJECT IDENTIFIER	o,1		o,1		-		-		-		-		
18	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	(2 9 3 2 7 65)	ObjectClass	o,1		o,1		-		-		-		-		
19	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	(2 9 3 2 7 66)	SET OF OBJECT IDENTIFIER	o,1		o,1		-		-		-		-		
20	registrationPermitted	(2 13 0 2 7 105)	BOOLEAN	o,1		o,1		o,1		-		-		o,1		
21	registrationRequestResponseTimer	(2 13 0 2 7 44)	INTEGER	o,1		o,1		o,1		-		-		o,1		
22	registrationRequestRetransmissionCount	(2 13 0 2 7 46)	INTEGER	o,1		o,1		o,1		-		-		o,1		
23	rejectResponseTimer	(2 13 0 2 7 86)	INTEGER	o,1		o,1		o,1		-		-		o,1		
24	rejectRetransmissionCount	(2 13 0 2 7 87)	INTEGER	o,1		o,1		o,1		-		-		o,1		
25	resetRequestResponseTimer	(2 13 0 2 7 78)	INTEGER	o,1		o,1		o,1		-		-		o,1		
26	resetRequestRetransmissionCount	(2 13 0 2 7 80)	INTEGER	o,1		o,1		o,1		-		-		o,1		
27	restartRequestResponseTimer	(2 13 0 2 7 42)	INTEGER	o,1		o,1		o,1		-		-		o,1		
28	restartRequestRetransmissionCount	(2 13 0 2 7 45)	INTEGER	o,1		o,1		o,1		-		-		o,1		
29	sN-ServiceProvider	(2 13 0 2 7 19)	ObjectInstance	o,1		o,1		o,1		-		-		-		
30	throughputClassNegotiation	(2 13 0 2 7 168)	BOOLEAN	o,1		o,1		o,1		-		-		o,1		
31	windowRotationTimer	(2 13 0 2 7 84)	INTEGER	o,1		o,1		o,1		-		-		o,1		
32	windowStatusTransmissionTimer	(2 13 0 2 7 83)	INTEGER	o,1		o,1		o,1		-		-		o,1		
33	x25PLEIVMOld	(2 13 0 2 7 37)	GraphicString	o,1		o,1		-		-		-		-		
34	x25PLEMode	(2 13 0 2 7 120)	ENUMERATED	o,1		o,1		o,1		-		-		-		

E.4.2 Attribute groups

The specifier of a manager role implementation that claims to support management operations on the attribute groups specified in this International Standard shall import a copy of this table and complete it.

E.4.2.1 The CLNS managed object

Table E.18 – cLNS Attribute group support

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	(2 9 3 5 8 0)		o,1		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": state	(2 9 3 2 8 1)		o,1		-		

**E.4.2.2 The CONS managed object**

**Table E.19 – cONS Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": state	{2 9 3 2 8 1}		o.1		-		

**E.4.2.3 The recommendation D series counts managed object**

**Table E.20 – dSeriesCounts Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		

**E.4.2.4 The linkage managed object**

**Table E.21 – linkage Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": state	{2 9 3 2 8 1}		o.1		-		

**E.4.2.5 The permanent virtual circuit DCE managed object**

**Table E.22 – permanentVirtualCircuit-DCE Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": state	{2 9 3 2 8 1}		o.1		-		

**E.4.2.6 The permanent virtual circuit DTE managed object**

**Table E.23 – permanentVirtualCircuit-DTE Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		

**E.4.2.7 The virtual call DCE managed object**

**Table E.24 – virtualCall-DCE Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		

**E.4.2.8 The virtual call DTE managed object**

**Table E.25 – virtualCall-DTE Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		

**E.4.2.9 The X25 PLE DCE managed object**

**Table E.26 – x25PLE-DCE Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		
2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": state	{2 9 3 2 8 1}		o.1		-		

**E.4.2.10 The X25 PLE DTE managed object**

**Table E.27 – x25PLE-DTE Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		
2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		o.1		-		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": state	{2 9 3 2 8 1}		o.1		-		

**E.4.3 Create and delete management operations**

The specifier of a manager role implementation that claims to support the create or delete management operations on the managed objects specified in this International Standard shall import a copy of this table and complete them.

**E.4.3.1 The CLNS managed object**

**Table E.28 – cLNS create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	cLNS MO	o		
1.1	Create with reference object	—	—		
2	Delete support	cLNS MO	o		

**E.4.3.2 The CONS managed object**

**Table E.29 – cONS create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	cONS MO	o		
1.1	Create with reference object	—	—		
2	Delete support	cONS MO	o		

**E.4.3.3 The recommendation D series counts managed object**

**Table E.30 – dSeriesCounts create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	dSeriesCounts MO	o		
1.1	Create with reference object	—	—		
2	Delete support	dSeriesCounts MO	o.1		

**E.4.3.4 The linkage managed object**

**Table E.31 – linkage create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	linkage MO	o		
1.1	Create with reference object	—	—		
2	Delete support	linkage MO	o		

**E.4.3.5 The NSAP managed object****Table E.32 – nSAP create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	nSAP MO	o		
1.1	Create with reference object	—	—		
2	Delete support	nSAP MO	o		

**E.4.3.6 The network connection managed object****Table E.33 – networkConnection create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	networkConnection MO	—		
1.1	Create with reference object	—	—		
2	Delete support	networkConnection MO	o		

**E.4.3.7 The network entity managed object****Table E.34 – networkEntity create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	networkEntity MO	o		
1.1	Create with reference object	—	—		
2	Delete support	networkEntity MO	o		

**E.4.3.8 The permanent virtual circuit DCE managed object****Table E.35 – permanentVirtualCircuit-DCE create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	permanentVirtualCircuit-DCE MO	o.1		
1.1	Create with reference object	—	—		
2	Delete support	permanentVirtualCircuit-DCE MO	o.1		

**E.4.3.9 The permanent virtual circuit DTE managed object****Table E.36 – permanentVirtualCircuit-DTE create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	permanentVirtualCircuit-DTE MO	o.1		
1.1	Create with reference object	—	—		
2	Delete support	permanentVirtualCircuit-DTE MO	o.1		

**E.4.3.10 The virtual call DCE managed object****Table E.37 – virtualCall-DCE create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	virtualCall-DCE MO	o		
1.1	Create with reference object	—	—		
2	Delete support	virtualCall-DCE MO	o.1		

**E.4.3.11 The virtual call initial values managed object****Table E.38 – virtualCallIVMO create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	virtualCallIVMO MO	o.1		
1.1	Create with reference object	—	—		
2	Delete support	virtualCallIVMO MO	o.1		

**E.4.3.12 The X25 PLE DCE managed object**

**Table E.39 – x25PLE-DCE create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	x25PLE-DCE MO	o		
1.1	Create with reference object	—	o		
2	Delete support	x25PLE-DCE MO	o.1		

**E.4.3.13 The X25 PLE DTE managed object**

**Table E.40 – x25PLE-DTE create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	x25PLE-DTE MO	o		
1.1	Create with reference object	—	o		
2	Delete support	x25PLE-DTE MO	o.1		

**E.4.3.14 The X25 PLE DCE initial values managed object**

**Table E.41 – x25PLEIVMO-DCE create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	x25PLEIVMO-DCE MO	o.1		
1.1	Create with reference object	—	o.1		
2	Delete support	x25PLEIVMO-DCE MO	o.1		

**E.4.3.15 The X25 PLE DTE initial values managed object**

**Table E.42 – x25PLEIVMO-DTE create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	x25PLEIVMO-DTE MO	o.1		
1.1	Create with reference object	—	o.1		
2	Delete support	x25PLEIVMO-DTE MO	o.1		

**E.4.4 Notifications**

The specifier of a manager role implementation that claims to support the notifications specified in this International Standard shall import a copy of this table and complete it.

**Table E.43 – Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": communicationsAlarm	{2 9 3 2 10 2}		c10				1.1	AlarmInfo	-	<b>Information Syntax SEQUENCE</b>	c10		
								1.1.1	probableCause	{2 9 3 2 7 18}	CHOICE	c:m		
								1.1.1.1	globalValue	-	OBJECT IDENTIFIER	c:m		
								1.1.1.2	localValue	-	INTEGER	c:m		
								1.1.2	specificProblems	{2 9 3 2 7 27}	SET OF CHOICE	c:m		
								1.1.2.1	OBJECT IDENTIFIER	-	OBJECT IDENTIFIER	c:m		
								1.1.2.2	INTEGER	-	INTEGER	c:m		

Table E.43 (continued) – Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
								1.1.3	perceivedSeverity	{2 9 3 2 7 17}	ENUMERATED	c:m		
								1.1.4	backedUpStatus	{2 9 3 2 7 11}	BOOLEAN	c:m		
								1.1.5	backUpObject	{2 9 3 2 7 40}	ObjectInstance	c:m		
								1.1.6	trendIndication	{2 9 3 2 7 30}	ENUMERATED	c:m		
								1.1.7	thresholdInfo	{2 9 3 2 7 29}	SEQUENCE	c:m		
								1.1.7.1	triggeredThreshold	-	AttributeId	c:m		
								1.1.7.2	observedValue	-	CHOICE	c:m		
								1.1.7.2.1	integer	-	INTEGER	c:m		
								1.1.7.2.2	real	-	REAL	c:m		
								1.1.7.3	thresholdLevel	-	CHOICE	c:m		
								1.1.7.3.1	up	-	SEQUENCE	c:m		
								1.1.7.3.1.1	high	-	CHOICE	c:m		
								1.1.7.3.1.1	integer	-	INTEGER	c:m		
								1.1.7.3.1.1	real	-	REAL	c:m		
								1.1.7.3.1.2	low	-	CHOICE	c:m		
								1.1.7.3.1.2	integer	-	INTEGER	c:m		
								1.1.7.3.1.2	real	-	REAL	c:m		
								1.1.7.3.2	down	-	SEQUENCE	c:m		
								1.1.7.3.2.1	high	-	CHOICE	c:m		
								1.1.7.3.2.1	integer	-	INTEGER	c:m		
								1.1.7.3.2.1	real	-	REAL	c:m		
								1.1.7.3.2.2	low	-	CHOICE	c:m		
								1.1.7.3.2.2	integer	-	INTEGER	c:m		
								1.1.7.3.2.2	real	-	REAL	c:m		
								1.1.7.4	armTime	-	GeneralizedTime	c:m		
								1.1.8	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:m		
								1.1.9	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:m		
								1.1.9.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.9.2	sourceObjectInst	-	ObjectInstance	c:m		
								1.1.10	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	c:m		
								1.1.10.1	attributeID	-	AttributeId	c:m		
								1.1.10.2	oldAttributeValue	-	ANY DEFINED BY attributeID	c:m		
								1.1.10.3	newAttributeValue	-	ANY DEFINED BY attributeID	c:m		
								1.1.11	monitoredAttributes	{2 9 3 2 7 15}	SET OF Attribute	c:m		
								1.1.12	proposedRepairActions	{2 9 3 2 7 19}	SET OF CHOICE	c:m		

Table E.43 (continued) – Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		c11				1.1.12.1	OBJECT IDENTIFIER	-	OBJECT IDENTIFIER	c:m		
								1.1.12.2	INTEGER	-	INTEGER	c:m		
								1.1.13	additionalText	{2 9 3 2 7 7}	GraphicString	c:m		
								1.1.14	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:m		
								1.1.14.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.14.2	significance	-	BOOLEAN	c:m		
								1.1.14.3	information	-	ANY DEFINED BY identifier	c:m		
								2.1	ObjectInfo	-	Information Syntax SEQUENCE	c11		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:m		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	c:m		
2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:m										
2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:m										
2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m										
2.1.4.2	sourceObjectInst	-	ObjectInstance	c:m										
2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:m										
2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:m										
2.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m										
2.1.6.2	significance	-	BOOLEAN	c:m										
2.1.6.3	information	-	ANY DEFINED BY identifier	c:m										
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		c12				3.1	ObjectInfo	-	Information Syntax SEQUENCE	c12		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:m		
								3.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	c:m		
								3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:m		
								3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:m		
								3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.4.2	sourceObjectInst	-	ObjectInstance	c:m		
								3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:m		
								3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:m		
								3.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		

Table E.43 (concluded) – Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": stateChange	(2 9 3 2 10 14)		c13				3.1.6.2	significance	-	BOOLEAN	c.m		
								3.1.6.3	information	-	ANY DEFINED BY identifier	c.m		
								4.1	StateChangeInfo	-	Information Syntax SEQUENCE	c13		
								4.1.1	sourceIndicator	(2 9 3 2 7 26)	ENUMERATED	c.m		
								4.1.2	attributeIdentifierList	(2 9 3 2 7 8)	SET OF AttributeID	c.m		
								4.1.3	stateChangeDefinition	(2 9 3 2 7 28)	SET OF SEQUENCE	c.m		
								4.1.3.1	attributeID	-	AttributeID	c.m		
								4.1.3.2	oldAttributeValue	-	ANY DEFINED BY attributeID	c.m		
								4.1.3.3	newAttributeValue	-	ANY DEFINED BY attributeID	c.m		
								4.1.4	notificationIdentifier	(2 9 3 2 7 16)	INTEGER	c.m		
								4.1.5	correlatedNotifications	(2 9 3 2 7 12)	SET OF SEQUENCE	c.m		
								4.1.5.1	correlatedNotifications	(2 9 3 2 7 12)	SET OF INTEGER	c.m		
								4.1.5.2	sourceObjectInstance	-	ObjectInstance	c.m		
								4.1.6	additionalText	(2 9 3 2 7 7)	GraphicString	c.m		
								4.1.7	additionalInformation	(2 9 3 2 7 6)	SET OF SEQUENCE	c.m		
								4.1.7.1	identifier	-	OBJECT IDENTIFIER	c.m		
								4.1.7.2	significance	-	BOOLEAN	c.m		
4.1.7.3	information	-	ANY DEFINED BY identifier	c.m										
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsInformation	(2 9 3 5 10 0)		c14				5.1	Communications Information	-	Information Syntax SEQUENCE	c14		
								5.1.1	informationType	(2 9 3 5 7 5)	OBJECT IDENTIFIER	c.m		
								5.1.2	informationData	(2 9 3 5 7 4)	SET OF SEQUENCE	c.m		
								5.1.2.1	identifier	-	OBJECT IDENTIFIER	c.m		
								5.1.2.2	significance	-	BOOLEAN	c.m		
								5.1.2.3	information	-	ANY DEFINED BY identifier	c.m		

c10: IF D.3/4a or D.3/19a or D.3/53a THEN m ELSE -

c11: IF D.3/6a or D.3/12a or D.3/15a or D.3/21a or D.3/24a or D.3/28a or D.3/30a or D.3/32a or D.3/35a or D.3/38a or D.3/42a or D.3/44a or D.3/48a or D.3/54a or D.3/57a or D.3/59a THEN m ELSE -

c12: IF D.3/7a or D.3/13a or D.3/17a or D.3/22a or D.3/25a or D.3/29a or D.3/31a or D.3/33a or D.3/36a or D.3/39a or D.3/43a or D.3/45a or D.3/49a or D.3/55a or D.3/58a or D.3/60a THEN m ELSE -

c13: IF D.3/8a or D.3/14a or D.3/23a or D.3/34a or D.3/50a or D.3/56a THEN m ELSE -

c14: IF D.3/5a or D.3/20a or D.3/27a or D.3/37a or D.3/41a THEN m ELSE -

**E.4.5 Actions**

The specifier of a manager role implementation that claims to support the actions specified in this International Standard shall import a copy of this table and complete it.

**Table E.44 – Action support**

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information								
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": activate	{2 9 3 5 9 0}		c15			1.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	c15										
							1.1.1	identifier	OBJECT IDENTIFIER	c:m										
							1.1.2	significance	BOOLEAN	c:o										
							1.1.3	information	ANY DEFINED BY identifier	c:m										
							1.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	c:m										
							1.2.1	identifier	OBJECT IDENTIFIER	c:m										
							1.2.2	significance	BOOLEAN	c:o										
							1.2.3	information	ANY DEFINED BY identifier	c:m										
							2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": deactivate	{2 9 3 5 9 1}		c16			2.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	c16			
														2.1.1	identifier	OBJECT IDENTIFIER	c:m			
2.1.2	significance	BOOLEAN	c:o																	
2.1.3	information	ANY DEFINED BY identifier	c:m																	
2.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	c:m																	
2.2.1	identifier	OBJECT IDENTIFIER	c:m																	
2.2.2	significance	BOOLEAN	c:o																	
2.2.3	information	ANY DEFINED BY identifier	c:m																	
3	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": deactivateWhenNoUsers	{2 9 3 5 9 2}		c17										3.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	c17			
														3.1.1	identifier	OBJECT IDENTIFIER	c:m			
							3.1.2	significance	BOOLEAN	c:o										
							3.1.3	information	ANY DEFINED BY identifier	c:m										
							3.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	c:m										
							3.2.1	identifier	OBJECT IDENTIFIER	c:m										
							3.2.2	significance	BOOLEAN	c:o										
							3.2.3	information	ANY DEFINED BY identifier	c:m										

c15: IF D.3/2a or D.3/9a or D.3/17a or D.3/46a or D.3/51 then m else -

c16: IF D.3/3a or D.3/10a or D.3/18a or D.3/40a or D.3/47a or D.3/52 then m else -

c17: IF D.3/11a then m else -

E.4.6 Parameters

The specifier of a manager role implementation that claims to support the parameters specified in this International Standard shall import a copy of this table and complete it.

Table E.45 – Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	notificationPDUHeader	{2 13 0 2 5 1}	EVENT-INFO communicationsAlarm	c18		
2	"ISO/IEC 10589 : 1993": notificationAreaAddress	{2 13 0 1 5 x}	EVENT-INFO communicationsAlarm	c18		
3	"ISO/IEC 10589 : 1993": notificationIDLLength	{2 13 0 1 5 x}	EVENT-INFO communicationsAlarm	c18		
4	"ISO/IEC 10589 : 1993": notificationAreaAddress	{2 13 0 1 5 x}	EVENT-INFO communicationsAlarm	c18		
5	"ISO/IEC 10589 : 1993": notificationOverloadStateChange	{2 13 0 1 5 25}	EVENT-INFO communicationsAlarm	c18		
6	"ISO/IEC 10589 : 1993": notificationReceivingAdjacency	{2 13 0 1 5 x}	EVENT-INFO communicationsAlarm	c18		
7	"ISO/IEC 10589 : 1993": notificationSourceId	{2 13 0 1 5 14}	EVENT-INFO communicationsAlarm	c18		
8	"ISO/IEC 10589 : 1993": notificationSystemId	{2 13 0 1 5 19}	EVENT-INFO communicationsAlarm	c19		
9	"ISO/IEC 10589 : 1993": notificationVirtualLinkAddress	{2 13 0 1 5 16}	EVENT-INFO communicationsInformation	c20		
10	"ISO/IEC 10589 : 1993": notificationVirtualLinkChange	{2 13 0 1 5 15}	EVENT-INFO communicationsInformation	c20		
11	"ISO/IEC 10589 : 1993": constraintViolation	{2 13 0 1 5 10}	SPECIFIC-ERROR maximumAreaAddresses maximumPathSplits maximumVirtualAdjacencies originatingL1LSPBufferSize originatingL2LSPBufferSize neighbourSNPAAAddress manual2OnlyMode	c21		
12	reachabilityChange	{2 13 0 2 5 12}	EVENT-INFO communicationsInformation	c22		
13	"ISO/IEC 10589 : 1993": notificationDesignatedIntermediateSystemChange	{2 13 0 1 5 24}	EVENT-INFO communicationsInformation	c22		
14	notificationData	{2 13 0 2 5 7}	EVENT-INFO communicationsAlarm	c23		

c18: IF D.3/4a THEN m ELSE -

c19: IF D.3/4a or D.3/19a THEN m ELSE -

c20: IF D.3/5a THEN m ELSE -

c21: IF E.1/26a or E.1/26b or E.1/26c or E.1/30a or E.1/30b or E.1/30c or E.1/31a or E.1/31b or E.1/31c or E.1/31f or E.1/41a or E.1/41b or E.1/41c or E.1/42a or E.1/42b or E.1/42c or E.1/42f or E.4/48a or E.4/48b or E.4/48c or E.4/48f or E.4/64a or E.4/64b or E.4/64c or E.4/64f THEN m ELSE -

c22: IF D.3/20a THEN m ELSE -

c23: IF D.3/53a THEN m ELSE -

**Annex F**  
(normative)

**MOCS proforma<sup>1)</sup>**

**F.1 Introduction**

The purpose of this MOCS proforma is to provide a mechanism for a supplier of an implementation of a International Standard which claims conformance to a managed object class, to provide conformance information in a standard form.

**F.1.1 Instructions for completing the MOCS proforma to produce a MOCS<sup>2)</sup>**

The MOCS proforma contained in this annex is comprised of information in tabular form, in accordance with ITU-T Rec X.724 | ISO/IEC 10165-6. The supplier of the implementation shall state which items are supported in tables below and if necessary provide additional information.

**F.1.2 Symbols, abbreviations and terms**

The MOCS proforma contained in this Annex is comprised of information in tabular form, in accordance with CCITT Rec. X.291 | ISO/IEC 9646-2.

The notations used in the Status and Support columns are specified in D.1.3.

**F.2 The CLNS managed object**

**F.2.1 Statement of conformance to the managed object class**

**Table F.1 – cLNS Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	cLNS	{2 13 0 2 3 2 1}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.2 – cLNS Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

<sup>1)</sup> Users of this International Standard may freely reproduce the PICS proforma in this Annex so that it can be used for its intended purpose, and may further publish the completed PICS.

<sup>2)</sup> Instructions for MOCS proforma are specified in ITU-T Rec. X.724 | ISO/IEC 10165-6.

**F.2.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.3.

**Table F.3 – cLNS Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c1		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphy"	c2		
4	cLNS-P		Mandatory	m		
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": clProtocolMachineP1		Mandatory	m		
6	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": clProtocolMachineP2	{2 9 3 5 4 1}	"there is a requirement to keep statistics concerning remote connectionless protocol machines that this protocol machine communicates with"	o		
7	cLNS8473-P	{2 13 0 2 4 20}	"The protocol defined in ISO 8473 is used to implement the cLNS"	o		
8	cLNSChecksum-P	{2 13 0 2 4 1}	"The ISO 8473 Generate Checksum option is implemented"	o		
9	"ISO/IEC 10589 : 1993": cLNSISISBasic-P	{2 13 0 1 4 1}	"The system is an ISO 10589 IS"	o		
10	"ISO/IEC 10589 : 1993": cLNSISISAuthentication-P	{2 13 0 1 4 4}	"The system is an ISO 10589 IS and the authentication procedures are implemented"	o		
11	"ISO/IEC 10589 : 1993": cLNSISISPartitionRepair-P	{2 13 0 1 4 3}	"The system is an ISO 10589 Level 2 IS and the partition repair procedures are implemented"	o		
12	"ISO/IEC 10589 : 1993": cLNSISISLevel2-P	{2 13 0 1 4 2}	"The system is an ISO 10589 Level 2 IS"	o		
13	"ISO/IEC 10589 : 1993": cLNSISISLevel2Authentication-P	{2 13 0 1 4 5}	"The system is an ISO 10589 Level 2 IS and the authentication procedures are implemented"	o		

c1: IF F.3/3a or F.3/6a or F.3/8a or F.3/9a or F.3/10a or F.3/11a or F.3/12a or F.3/13a THEN m ELSE -

c2: IF F.1/1b THEN - ELSE m

**F.2.3 Attributes**

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.4. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

**Table F.4 – cLNS Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	c3		m		m		-		-		c4		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c5		c6		-		-		-		-		
3	"ISO/IEC 10589 : 1993": areaAddresses	{2 13 0 1 7 18}	SET OF OCTET STRING	c7		c8		c9		c9		c9		c9		

Table F.4 (continued) – cLNS Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
4	areaReceivePasswords	{2 13 0 1 7 112}	SET OF OCTET STRING	c10		c11		c11		c11		c11		c11		
5	areaTransmitPassword	{2 13 0 1 7 111}	OCTET STRING	c10		c11		c11		-		-		c11		
6	assemblingSegmentsDiscarded	{2 13 0 2 7 8}	INTEGER	c12		m		c4		-		-		c4		
7	attemptsToExceedMaximumSequenceNumber	{2 13 0 1 7 22}	INTEGER	c7		c8		c9		-		-		c9		
8	authenticationFailures	{2 13 0 1 7 117}	INTEGER	c13		c11		c14		-		-		c14		
9	clProtocolMachinel	{2 9 3 5 7 2}	GraphicString	c15		m		x		-		-		x		
10	completeSNPIInterval	{2 13 0 1 7 8}	INTEGER	c16		c8		c8		-		-		c9		
11	congestionDiscards	{2 13 0 2 7 11}	INTEGER	c12		m		c4		-		-		c4		
12	corruptedLSPsDetected	{2 13 0 1 7 19}	INTEGER	c7		c8		c9		-		-		c9		
13	dRISISHelloTimer	{2 13 0 1 7 16}	INTEGER	c16		c8		c8		-		-		c9		
14	domainReceivePasswords	{2 13 0 1 7 114}	SET OF OCTET STRING	c17		c18		c18		c18		c18		c18		
15	domainTransmitPassword	{2 13 0 1 7 113}	OCTET STRING	c17		c18		c18		-		-		c18		
16	enableChecksum	{2 13 0 2 7 4}	BOOLEAN	c19		c20		c20		-		-		c20		
17	errorReportsReceived	{2 13 0 2 7 9}	INTEGER	c12		m		c4		-		-		c4		
18	idFieldLengthMismatches	{2 13 0 1 7 25}	INTEGER	c7		c8		c9		-		-		c9		
19	iSType	{2 13 0 1 7 2}	ENUMERATED	c16		c8		c9		-		-		c9		
20	i1State	{2 13 0 1 7 17}	ENUMERATED	c7		c8		c9		-		-		c9		
21	i2State	{2 13 0 1 7 28}	ENUMERATED	c21		c22		c23		-		-		c23		
22	iSPL1DatabaseOverloads	{2 13 0 1 7 20}	INTEGER	c7		c8		c9		-		-		c9		
23	iSPL2DatabaseOverloads	{2 13 0 1 7 32}	INTEGER	c21		c22		c23		-		-		c23		
24	manualAddressesDroppedFromArea	{2 13 0 1 7 21}	INTEGER	c7		c8		c9		-		-		c9		
25	manualAreaAddresses	{2 13 0 1 7 10}	SET OF OCTET STRING	c7		c8		c9		c9		c9		c9		
26	maximumAreaAddresses	{2 13 0 1 7 4}	INTEGER "ISO/IEC 10589 : 1993". constraintViolation	c16		c8		c8		-		-		c9		
27	maximumAreaAddressesMismatches	{2 13 0 1 7 118}	INTEGER	c7		c8		c9		-		-		c9		
28	maximumLSPGenerationInterval	{2 13 0 1 7 6}	INTEGER	c16		c8		c8		-		-		c9		
29	maximumLifetime	{2 13 0 2 7 102}	INTEGER	c3		m		m		-		-		c4		
30	maximumPathSplits	{2 13 0 1 7 3}	INTEGER "ISO/IEC 10589 : 1993". constraintViolation	c16		c8		c8		-		-		c8		
31	maximumVirtualAdjacencies	{2 13 0 1 7 27}	INTEGER "ISO/IEC 10589 : 1993". constraintViolation	c24		c25		c25		-		-		c25		
32	minimumBroadcastLSPTransmissionInterval	{2 13 0 1 7 7}	INTEGER	c16		c8		c8		-		-		c9		

Table F.4 (concluded) – cLNS Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
33	"ISO/IEC 10589 : 1993" minimumLSPGenerationInterval	{2 13 0 1 7 11}	INTEGER	c16		c8		c8		-		-		c9		
34	"ISO/IEC 10589 : 1993" minimumLSPTransmissionInterval	{2 13 0 1 7 5}	INTEGER	c16		c8		c8		-		-		c9		
35	"Rec. X.721   ISO/IEC 10165-2 : 1992" nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c15		m		x		-		-		x		
36	"Rec. X.721   ISO/IEC 10165-2 : 1992" objectClass	{2 9 3 2 7 65}	ObjectClass	c3		m		x		-		-		x		
37	"Rec. X.721   ISO/IEC 10165-2 : 1992" octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	c12		m		c4		-		-		c4		
38	"Rec. X.721   ISO/IEC 10165-2 : 1992" octetsSentCounter	{2 9 3 2 7 80}	INTEGER	c12		m		c4		-		-		c4		
39	"Rec. X.721   ISO/IEC 10165-2 : 1992" operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		-		-		x		
40	operationalSystemType	{2 13 0 2 7 109}	ENUMERATED	c3		m		c4		-		-		c4		
41	"ISO/IEC 10589 : 1993" originatingL1LSPBufferSize	{2 13 0 1 7 9}	INTEGER "ISO/IEC 10589 : 1993" constraintViolation	c16		c8		c8		-		-		c9		
42	"ISO/IEC 10589 : 1993" originatingL2LSPBufferSize	{2 13 0 1 7 26}	INTEGER "ISO/IEC 10589 : 1993" constraintViolation	c26		c22		c22		-		-		c22		
43	"ISO/IEC 10589 : 1993" ownLSPPurges	{2 13 0 1 7 24}	INTEGER	c7		c8		c9		-		-		c9		
44	pDUDiscards	{2 13 0 2 7 10}	INTEGER	c12		m		c4		-		-		c4		
45	"Rec. X.721   ISO/IEC 10165-2 : 1992" packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c27		c28		c29		c29		c29		c29		
46	"ISO/IEC 10589 : 1993" partialSNPIInterval	{2 13 0 1 7 14}	INTEGER	c16		c8		c8		-		-		c9		
47	"ISO/IEC 10589 : 1993" partitionAreaAddresses	{2 13 0 1 7 29}	SET OF OCTET STRING	c30		c25		c31		c31		c31		c31		
48	"ISO/IEC 10589 : 1993" partitionDesignatedL2IntermediateSystem	{2 13 0 1 7 30}	OCTET STRING	c30		c25		c31		-		-		c31		
49	"ISO/IEC 10589 : 1993" partitionVirtualLinkChanges	{2 13 0 1 7 31}	INTEGER	c30		c25		c31		-		-		c31		
50	"ISO/IEC 10589 : 1993" pollESHelloRate	{2 13 0 1 7 13}	INTEGER	c16		c8		c8		-		-		c9		
51	segmentsDiscarded	{2 13 0 2 7 7}	INTEGER	c12		m		c4		-		-		c4		
52	segmentsReceived	{2 13 0 2 7 6}	INTEGER	c12		m		c4		-		-		c4		
53	segmentsSent	{2 13 0 2 7 118}	INTEGER	c12		m		c4		-		-		c4		
54	"ISO/IEC 10589 : 1993" sequenceNumberSkips	{2 13 0 1 7 23}	INTEGER	c7		c8		c9		-		-		c9		
55	supportedProtocols	{2 13 0 2 7 110}	SET OF SEQUENCE	c12		m		c4		c4		c4		c4		
56	"ISO/IEC 10589 : 1993" systemId	{2 13 0 1 7 119}	OCTET STRING	c7		c8		c9		-		-		c9		
57	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993" totalRemoteSAPs	{2 9 3 5 7 13}	INTEGER	c32		c33		c34		-		-		c34		
58	"ISO/IEC 10589 : 1993" version	{2 13 0 1 7 1}	GraphicString	c7		c8		c9		-		-		c9		
59	"ISO/IEC 10589 : 1993" waitingTime	{2 13 0 1 7 15}	INTEGER	c16		c8		c8		-		-		c9		

c3: IF G.1/2a THEN m ELSE x

- c4: IF F.1/1b THEN x ELSE -
- c5: IF F.3/3a THEN (IF G.1/2a THEN o ELSE x) ELSE -
- c6: IF F.3/3a THEN m ELSE -
- c7: IF F.3/9a and (F.1/1b or (G.1/1a or G.1/3a)) THEN x ELSE -
- c8: IF F.3/9a THEN m ELSE -
- c9: IF F.3/9a and F.1/1b THEN x ELSE -
- c10: IF F.3/10a THEN (IF G.1/2a THEN m ELSE x) ELSE -
- c11: IF F.3/10a THEN m ELSE -
- c12: IF F.1/1b or (G.1/1a or G.1/3a) THEN x ELSE -
- c13: IF F.3/10a and (F.1/1b or (G.1/1a or G.1/3a)) THEN x ELSE -
- c14: IF F.3/10a and F.1/1b THEN x ELSE -
- c15: IF G.1/2a THEN o ELSE x
- c16: IF F.3/9a THEN (IF G.1/2a THEN m ELSE x) ELSE -
- c17: IF F.3/13a THEN (IF G.1/2a THEN m ELSE x) ELSE -
- c18: IF F.3/13a THEN m ELSE -
- c19: IF F.3/8a THEN (IF G.1/2a THEN m ELSE x) ELSE -
- c20: IF F.3/8a THEN m ELSE -
- c21: IF F.3/12a and (F.1/1b or (G.1/1a or G.1/3a)) THEN x ELSE -
- c22: IF F.3/12a THEN m ELSE -
- c23: IF F.3/12a and F.1/1b THEN x ELSE -
- c24: IF F.3/11a THEN (IF G.1/2a THEN m ELSE x) ELSE -
- c25: IF F.3/11a THEN m ELSE -
- c26: IF F.3/12a THEN (IF G.1/2a THEN m ELSE x) ELSE -
- c27: IF F.3/2a THEN (IF G.1/2a THEN o ELSE x) ELSE -
- c28: IF F.3/2a THEN m ELSE -
- c29: IF F.3/2a THEN x ELSE -
- c30: IF F.3/11a and (F.1/1b or (G.1/1a or G.1/3a)) THEN x ELSE -
- c31: IF F.3/11a and F.1/1b THEN x ELSE -
- c32: IF F.3/6a and (F.1/1b or (G.1/1a or G.1/3a)) THEN x ELSE -
- c33: IF F.3/6a THEN m ELSE -
- c34: IF F.3/6a and F.1/1b THEN x ELSE -

**F.2.4 Attribute group**

**Table F 5 – cLNS Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}		m		c4		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": state	{2 9 3 2 8 1}		m		c4		

F.2.5 Action

Table F 6 – cLNS Action support

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": activate	{2 9 3 5 9 0}		m			1.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	m		
							1.1.1	identifier	OBJECT IDENTIFIER	m		
							1.1.2	significance	BOOLEAN	o		
							1.1.3	information	ANY DEFINED BY identifier	m		
							1.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m		
							1.2.1	identifier	OBJECT IDENTIFIER	m		
							1.2.2	significance	BOOLEAN	o		
							1.2.3	information	ANY DEFINED BY identifier	m		
							2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": deactivate	{2 9 3 5 9 1}		m	
2.1.1	identifier	OBJECT IDENTIFIER	m									
2.1.2	significance	BOOLEAN	o									
2.1.3	information	ANY DEFINED BY identifier	m									
2.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m									
2.2.1	identifier	OBJECT IDENTIFIER	m									
2.2.2	significance	BOOLEAN	o									
2.2.3	information	ANY DEFINED BY identifier	m									

F.2.6 Notification

Table F 7 – cLNS Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": communicationsAlarm	{2 9 3 2 10 2}		m			notificationPDUHeader	1.1	AlarmInfo		<b>Information Syntax</b> SEQUENCE	m		
								1.1.1	probableCause	{2 9 3 2 7 18}	CHOICE	m		
								1.1.1.1	globalValue	-	OBJECT IDENTIFIER	o.1		
								1.1.1.2	localValue	-	INTEGER	o.1		
								1.1.2	specificProblems	{2 9 3 2 7 27}	SET OF CHOICE	o		
								1.1.2.1	OBJECT IDENTIFIER	-	OBJECT IDENTIFIER	c.o.2		
								1.1.2.2	INTEGER	-	INTEGER	c.o.2		
								1.1.3	perceivedSeverity	{2 9 3 2 7 17}	ENUMERATED	m		
								1.1.4	backedUpStatus	{2 9 3 2 7 11}	BOOLEAN	o		
								1.1.5	backUpObject	{2 9 3 2 7 40}	ObjectInstance	o		
								1.1.6	trendIndication	{2 9 3 2 7 30}	ENUMERATED	o		

Table F 7 (continued) – cLNS Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
								1.1.7	thresholdInfo	{2 9 3 2 7 29}	SEQUENCE	o		
								1.1.7.1	triggeredThreshold	-	Attributeld	c:m		
								1.1.7.2	observedValue	-	CHOICE	c:m		
								1.1.7.2.1	integer	-	INTEGER	c:o:3		
								1.1.7.2.2	real	-	REAL	c:o:3		
								1.1.7.3	thresholdLevel	-	CHOICE	c:o		
								1.1.7.3.1	up	-	SEQUENCE	c:o:4		
								1.1.7.3.1.1	high	-	CHOICE	c:m		
								1.1.7.3.1.1.1	integer	-	INTEGER	c:o:5		
								1.1.7.3.1.1.2	real	-	REAL	c:o:5		
								1.1.7.3.1.2	low	-	CHOICE	c:o		
								1.1.7.3.1.2.1	integer	-	INTEGER	c:o:6		
								1.1.7.3.1.2.2	real	-	REAL	c:o:6		
								1.1.7.3.2	down	-	SEQUENCE	c:o:4		
								1.1.7.3.2.1	high	-	CHOICE	c:m		
								1.1.7.3.2.1.1	integer	-	INTEGER	c:o:7		
								1.1.7.3.2.1.2	real	-	REAL	c:o:7		
								1.1.7.3.2.2	low	-	CHOICE	c:m		
								1.1.7.3.2.2.1	integer	-	INTEGER	c:o:8		
								1.1.7.3.2.2.2	real	-	REAL	c:o:8		
								1.1.7.4	armTime	-	GeneralizedTime	c:o		
								1.1.8	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.9	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.9.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.9.2	sourceObjectInst	-	ObjectInstance	c:o		
								1.1.10	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	o		
								1.1.10.1	attributeID	-	Attributeld	c:m		
								1.1.10.2	oldAttributeValue	-	ANY DEFINED BY attributeID	c:o		
								1.1.10.3	newAttributeValue	-	ANY DEFINED BY attributeID	c:m		
								1.1.11	monitoredAttributes	{2 9 3 2 7 15}	SET OF Attribute	o		
								1.1.12	proposedRepairActions	{2 9 3 2 7 19}	SET OF CHOICE	o		
								1.1.12.1	OBJECT IDENTIFIER	-	OBJECT IDENTIFIER	c:o:9		
								1.1.12.2	INTEGER	-	INTEGER	c:o:9		
								1.1.13	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.14	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.14.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.14.2	significance	-	BOOLEAN	c:o		
								1.1.14.3	information	-	ANY DEFINED BY identifier	c:m		

Table F 7 (continued) – cLNS Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsInformation	{2 9 3 5 10 0}		c35			"ISO/IEC 10589 : 1993": notificationVirtualLinkAddress "ISO/IEC 10589 : 1993": notificationVirtualLinkChange	2.1	CommunicationsInformation		<b>Information Syntax</b> SEQUENCE	c35		
								2.1.1	informationType	{2 9 3 5 7 5}	OBJECT IDENTIFIER	c:m		
								2.1.2	informationData	{2 9 3 5 7 4}	SET OF SEQUENCE	c:o		
								2.1.2.1	identifier	-	OBJECT IDENTIFIER	c:m		
								2.1.2.2	significance	-	BOOLEAN	c:o		
								2.1.2.3	information	-	ANY DEFINED BY identifier	c:m		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		m				3.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
								3.1.6.2	significance	-	BOOLEAN	c:o		
								3.1.6.3	information	-	ANY DEFINED BY identifier	c:m		
								4	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		m		
4.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o										
4.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o										
4.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o										
4.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o										
4.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m										
4.1.4.2	sourceObjectInst	-	ObjectInstance	c:o										
4.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o										
4.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o										
4.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m										

Table F 7 (concluded) – cLNS Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
								4.1.6.2	significance	-	BOOLEAN	c:o		
								4.1.6.3	information	-	ANY DEFINED BY identifier	c:m		
5	"Rec. X.721   ISO/IEC 10165-2 : 1992": stateChange	{2 9 3 2 10 14}		m				5.1	StateChangeInfo		<b>Information Syntax SEQUENCE</b>	m		
								5.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								5.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	o		
								5.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	m		
								5.1.3.1	attributeID	-	AttributeId	m		
								5.1.3.2	oldAttributeValue	-	ANY DEFINED BY attributeID	o		
								5.1.3.3	newAttributeValue	-	ANY DEFINED BY attributeID	m		
								5.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								5.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								5.1.5.1	correlatedNotification	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								5.1.5.2	sourceObjectInst	-	ObjectInstance	c:o		
								5.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								5.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								5.1.7.1	identifier	-	OBJECT IDENTIFIER	c:m		
								5.1.7.2	significance	-	BOOLEAN	c:o		
								5.1.7.3	information	-	ANY DEFINED BY identifier	c:m		

c35: IF F.3/9a or F.3/11a THEN m ELSE -

F.2.7 Parameter

Table F 8 – cLNS Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	notificationPDUHeader	{2 13 0 2 5 1}	EVENT-INFO communicationsAlarm	m		
2	"ISO/IEC 10589 : 1993": notificationAreaAddress	{2 13 0 1 5 x}	EVENT-INFO communicationsAlarm	c8		
3	"ISO/IEC 10589 : 1993": notificationIDLength	{2 13 0 1 5 x}	EVENT-INFO communicationsAlarm	c8		
4	"ISO/IEC 10589 : 1993": notificationAreaAddress	{2 13 0 1 5 x}	EVENT-INFO communicationsAlarm	c8		
5	"ISO/IEC 10589 : 1993": notificationOverloadStateChange	{2 13 0 1 5 25}	EVENT-INFO communicationsAlarm	c36		
6	"ISO/IEC 10589 : 1993": notificationReceivingAdjacency	{2 13 0 1 5 x}	EVENT-INFO communicationsAlarm	c8		
7	"ISO/IEC 10589 : 1993": notificationSourceId	{2 13 0 1 5 14}	EVENT-INFO communicationsAlarm	c36		
8	"ISO/IEC 10589 : 1993": notificationSystemId	{2 13 0 1 5 x}	EVENT-INFO communicationsAlarm	c37		

**Table F 8 (concluded) – cLNS Parameter support**

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
9	"ISO/IEC 10589 : 1993" notificationVirtualLinkAddress	{2 13 0 1 5 16}	EVENT-INFO communicationsInformation	c25		
10	"ISO/IEC 10589 : 1993" notificationVirtualLinkChange	{2 13 0 1 5 15}	EVENT-INFO communicationsInformation	c25		
11	"ISO/IEC 10589 : 1993" constraintViolation	{2 13 0 1 5 10}	SPECIFIC-ERROR maximumAreaAddresses maximumPathSplits maximumVirtualAdjacencies originatingL1LSPBufferSize originatingL2LSPBufferSize	c38		

c36: IF F.3/9a or F.3/12a THEN m ELSE -

c37: IF F.3/9a or F.3/10a THEN m ELSE -

c38: IF F.3/9a or F.3/11a or F.3/12a THEN m ELSE -

### F.3 The CONS managed object

#### F.3.1 Statement of conformance to the managed object class

**Table F.9 – cONS Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	cONS	{2 13 0 2 3 24}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.10 – cONS Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

#### F.3.2 Packages

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.11.

Table F.11 – cONS Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c39		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c40		
4	cONS-P		Mandatory	m		
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": coProtocolMachineP1		Mandatory	m		

c39: IF F.11/3a THEN m ELSE -

c40: IF F.9/1b THEN - ELSE m

### F.3.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.12. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

Table F.12 – cONS Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	c41		m		m		-		-		c42		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c43		c44		-		-		-		-		
3	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": clProtocolMachineId	{2 9 3 5 7 2}	GraphicString	c45		m		x		-		-		x		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c45		m		x		-		-		x		
5	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c41		m		x		-		-		x		
6	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		-		-		x		
7	operationalSystemType	{2 13 0 2 7 109}	ENUMERATED	c41		m		c42		-		-		c42		
8	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c46		c47		c48		c48		c48		c48		

c41: IF G.1/5a THEN m ELSE x

c42: IF F.9/1b THEN x ELSE -

c43: IF F.11/3a THEN (IF G.1/5a THEN o ELSE x) ELSE -

c44: IF F.11/3a THEN m ELSE -

c45: IF G.1/5a THEN o ELSE x

c46: IF F.11/2a THEN (IF G.1/5a THEN o ELSE x) ELSE -

c47: IF F.11/2a THEN m ELSE -

c48: IF F.11/2a THEN x ELSE -

**F.3.4 Attribute group**

**Table F.13 – cONS Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": state	{2 9 3 2 8 1}	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState "Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	m		c42		

**F.3.5 Action**

**Table F.14 – cONS Action support**

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": activate	{2 9 3 5 9 0}		m			1.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	m		
							1.1.1	identifier	OBJECT IDENTIFIER	m		
							1.1.2	significance	BOOLEAN	o		
							1.1.3	information	ANY DEFINED BY identifier	m		
							1.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m		
							1.2.1	identifier	OBJECT IDENTIFIER	m		
							1.2.2	significance	BOOLEAN	o		
							1.2.3	information	ANY DEFINED BY identifier	m		
							2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": deactivate	{2 9 3 5 9 1}		m	
2.1.1	identifier	OBJECT IDENTIFIER	m									
2.1.2	significance	BOOLEAN	o									
2.1.3	information	ANY DEFINED BY identifier	m									
2.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m									
2.2.1	identifier	OBJECT IDENTIFIER	m									
2.2.2	significance	BOOLEAN	o									
2.2.3	information	ANY DEFINED BY identifier	m									
3	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": deactivateWhenNoUsers	{2 9 3 5 9 2}		m								
							3.1.1	identifier	OBJECT IDENTIFIER	m		
							3.1.2	significance	BOOLEAN	o		
							3.1.3	information	ANY DEFINED BY identifier	m		

Table F.14 (concluded) – cONS Action support

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
							3.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m		
							3.2.1	identifier	OBJECT IDENTIFIER	m		
							3.2.2	significance	BOOLEAN	o		
							3.2.3	information	ANY DEFINED BY identifier	m		

F.3.6 Notifications

Table F.15 – cONS Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information						
					Confirmed	Non-confirmed														
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m								
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o								
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o								
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o								
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o								
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m								
								1.1.4.2	sourceObjectInst	-	ObjectInstance	c:o								
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o								
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o								
								1.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m								
								1.1.6.2	significance	-	BOOLEAN	c:o								
								1.1.6.3	information	-	ANY DEFINED BY identifier	c:m								
					2	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion		{2 9 3 2 10 7}		m				2.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
														2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
		2.1.2	attributeList	{2 9 3 2 7 9}			SET OF Attribute				o									
		2.1.3	notificationIdentifier	{2 9 3 2 7 16}			INTEGER				o									
		2.1.4	correlatedNotifications	{2 9 3 2 7 12}			SET OF SEQUENCE				o									
		2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}			SET OF INTEGER				c:m									
		2.1.4.2	sourceObjectInst	-			ObjectInstance				c:o									
		2.1.5	additionalText	{2 9 3 2 7 7}			GraphicString				o									
		2.1.6	additionalInformation	{2 9 3 2 7 6}			SET OF SEQUENCE				o									
		2.1.6.1	identifier	-			OBJECT IDENTIFIER				c:m									
		2.1.6.2	significance	-			BOOLEAN				c:o									
		2.1.6.3	information	-			ANY DEFINED BY identifier				c:m									

**Table F.15 (concluded) – cONS Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
3	"Rec. X 721   ISO/IEC 10165-2 : 1992": stateChange	{2 9 3 2 10 14}		m				3.1	StateChangeInfo		<b>Information Syntax SEQUENCE</b>	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeID	o		
								3.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	m		
								3.1.3.1	attributeID	-	AttributeID	m		
								3.1.3.2	oldAttributeValue	-	ANY DEFINED BY attributeID	o		
								3.1.3.3	newAttributeValue	-	ANY DEFINED BY attributeID	m		
								3.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.5.1	correlatedNotification	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.5.2	sourceObjectInst	-	ObjectInstance	c:o		
								3.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								3.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.7.1	Identifier	-	OBJECT IDENTIFIER	c:m		
								3.1.7.2	significance	-	BOOLEAN	c:o		
								3.1.7.3	information	-	ANY DEFINED BY identifier	c:m		

**F.4 The recommendation D series counts managed object**

**F.4.1 Statement of conformance to the managed object class**

**Table F.16 – dSeriesCounts Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	dSeriesCounts	{2 13 0 2 3 32}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.17 – dSeriesCounts Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.4.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.18.

**Table F.18 – dSeriesCounts Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c50		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphy"	c51		
4	dSeriesCounts-P		Mandatory	m		

c50: IF F.18/3a THEN m ELSE -

c51: IF F.16/1b THEN - ELSE m

**F.4.3 Attributes**

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.19. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

**Table F.19 – dSeriesCounts Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass		c52		c53	-		-		-		-		
2	dSeriesId	{2 13 0 2 7 140}	GraphicString	x		m		x		-		-		x		
3	dSeriesResetRequestIndicationPackets	{2 13 0 2 7 141}	INTEGER	x		m		c54		-		-		c54		
4	dSeriesSegmentsReceived	{2 13 0 2 7 143}	INTEGER	x		m		c54		-		-		c54		
5	dSeriesSegmentsSent	{2 13 0 2 7 142}	INTEGER	x		m		c54		-		-		c54		
6	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	x		m		x		-		-		x		
7	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	x		m		x		-		-		x		
8	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER		c55		c56	c55		c55		c55		c55		

c52: IF F.18/3a THEN x ELSE -

c53: IF F.18/3a THEN m ELSE -

c54: IF F.16/1b THEN x ELSE -

c55: IF F.18/2a THEN x ELSE -

c56: IF F.18/2a THEN m ELSE -

F.4.4 Attribute groups

Table F.20 – dSeriesCounts Attribute group support

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993". counters	{2 9 3 5 8 0}	dSeriesResetRequestIndicationPackets dSeriesSegmentsReceived dSeriesSegmentsSent	m		c54		

F.4.5 Notifications

Table F.21 – dSeriesCounts Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and Values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
1	"Rec. X.721   ISO/IEC 10165-2 : 1992". objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.6.2	significance	-	BOOLEAN	c:o		
								1.1.6.3	information	-	ANY DEFINED BY identifier	c:m		
								2	"Rec. X.721   ISO/IEC 10165-2 : 1992". objectDeletion	{2 9 3 2 10 7}		m		
2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o										
2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o										
2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o										
2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o										
2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m										
2.1.4.2	sourceObjectInst	-	ObjectInstance	c:o										
2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o										
2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o										
2.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m										
2.1.6.2	significance	-	BOOLEAN	c:o										
2.1.6.3	information	-	ANY DEFINED BY identifier	c:m										

**F.5 The linkage managed object**

**F.5.1 Statement of conformance to the managed object class**

**Table F.22 – linkage Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	linkage	{2 13 0 2 3 23}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.23 – linkage Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.5.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.24.

**Table F.24 – linkage Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package other than this package has been instantiated"	c57		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c58		
4	linkage-P		Mandatory	m		
5	linkage-ISO9542IS-P	{2 13 0 2 4 22}	"support for ISO 9542 operating as an IS"	o		
6	linkage-ISO9542ES-P	{2 13 0 2 4 21}	"support for ISO 9542 operating as an ES"	o		
7	linkage-ISO9542Checksum-P	{2 13 0 2 4 17}	"support for ISO 9542 PDU Header Checksum Generation function"	o		
8	linkageInitialMinimumTimer-P	{2 13 0 2 4 7}	"support for the initial minimum timer attribute of the ISO 8473 SNDCF when operating ISO 8473 over an ISO/IEC 8208 or CO Datalink Service"	o		
9	linkageReserveTimer-P	{2 13 0 2 4 6}	"support for the reserve timer attribute of the ISO 8473 SNDCF when operating ISO 8473 over an ISO/IEC 8208 or CO Datalink Service"	o		
10	linkageIdleTimer-P	{2 13 0 2 4 5}	"support for the idle timer attribute of the ISO 8473 SNDCF when operating ISO 8473 over an ISO/IEC 8208 or CO Datalink Service"	o		
11	linkage-ISO8473-ISO8208SNDCF-P	{2 13 0 2 4 4}	"operating ISO 8473 over ISO/IEC 8208 "	o		
12	linkageCODLService-P	{2 13 0 2 4 9}	"operating ISO 8473 over the CO Datalink Service"	o		
13	"ISO/IEC 10589 : 1993": linkageSISBasic-P	{2 13 0 1 4 6}	"the system is an ISO 10589 IS"	o		
14	"ISO/IEC 10589 : 1993": linkageSISAuthentication-P	{2 13 0 1 4 15}	"the authentication procedures are implemented on an ISO 10589 IS"	o		
15	"ISO/IEC 10589 : 1993": linkageSISBroadcast-P	{2 13 0 1 4 7}	"the linkage is a broadcast circuit on an ISO 10589 IS"	o		
16	"ISO/IEC 10589 : 1993": linkageSISDASCallEstablishmentMetricIncrement-P	{2 13 0 1 4 9}	"the linkage is a DA Circuit and support is implemented for call establishment metric increment values greater than zero on an ISO/IEC 10589 IS"	o		
17	"ISO/IEC 10589 : 1993": linkageSISPTToPt-P	{2 13 0 1 4 8}	"the linkage is a point to point circuit on an ISO 10589 IS"	o		

Table F.24 (concluded) – linkage Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
18	"ISO/IEC 10589 : 1993": linkageISISStatic-P	{2 13 0 1 4 11}	"the linkage is an X.25 static circuit (IN or OUT) on an ISO 10589 IS"	o		
19	"ISO/IEC 10589 : 1993": linkageISISLevel2-P	{2 13 0 1 4 13}	"the system is an ISO 10589 level 2 IS"	o		
20	"ISO/IEC 10589 : 1993": linkageISISLevel2Broadcast-P	{2 13 0 1 4 14}	"the linkage is a broadcast circuit on an ISO 10589 level 2 IS"	o		

c57: IF F.24/3a or F.24/5a or F.24/6a or F.24/7a or F.24/8a or F.24/9a or F.24/10a or F.24/11a or F.24/12a or F.24/13a or F.24/14a or F.24/15a or F.24/16a or F.24/17a or F.24/18a or F.24/19a or F.24/20a THEN m ELSE -

c58: IF F.22/1b THEN - ELSE m

**F.5.3 Attributes**

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.25. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

Table F.25 – linkage Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	activeESConfigTimer	{2 13 0 2 7 22}	SEQUENCE	c59		c60		c61		-		-		c61		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	c62		m		m		-		-		c63		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c64		c65		-		-		-		-		
4	"ISO/IEC 10589 : 1993": authenticationFailures	{2 13 0 1 7 117}	INTEGER	c66		c67		c68		-		-		c68		
5	"ISO/IEC 10589 : 1993": callEstablishmentDefaultMetricIncrement	{2 13 0 1 7 52}	INTEGER	c69		c70		c70		-		-		c70		
6	"ISO/IEC 10589 : 1993": callEstablishmentDelayMetricIncrement	{2 13 0 1 7 53}	INTEGER	c69		c70		c70		-		-		c70		
7	"ISO/IEC 10589 : 1993": callEstablishmentErrorMetricIncrement	{2 13 0 1 7 55}	INTEGER	c69		c70		c70		-		-		c70		
8	"ISO/IEC 10589 : 1993": callEstablishmentExpenseMetricIncrement	{2 13 0 1 7 54}	INTEGER	c69		c70		c70		-		-		c70		
9	callsFailed	{2 13 0 2 7 30}	INTEGER	c71		c72		c73		-		-		c73		
10	callsPlaced	{2 13 0 2 7 29}	INTEGER	c71		c72		c73		-		-		c73		
11	"ISO/IEC 10589 : 1993": changesInAdjacencyState	{2 13 0 1 7 40}	INTEGER	c74		c75		c76		-		-		c76		
12	"ISO/IEC 10589 : 1993": circuitReceivePasswords	{2 13 0 1 7 116}	SET OF OCTET STRING	c77		c67		c67		c67		c67		c67		
13	"ISO/IEC 10589 : 1993": circuitTransmitPassword	{2 13 0 1 7 115}	OCTET STRING	c77		c67		c67		-		-		c67		
14	defaultESConfigTimer	{2 13 0 2 7 21}	SEQUENCE	c78		c60		c60		-		-		c60		
15	eSReachabilityChanges	{2 13 0 2 7 27}	INTEGER	c79		c80		c81		-		-		c81		
16	enableChecksum	{2 13 0 2 7 4}	BOOLEAN	c82		c83		c83		-		-		c83		
17	"ISO/IEC 10589 : 1993": externalDomain	{2 13 0 1 7 46}	BOOLEAN	c84		c75		c75		-		-		c75		
18	holdingTimerMultiplier	{2 13 0 2 7 20}	INTEGER	c85		c86		c86		-		-		c86		
19	"ISO/IEC 10589 : 1993": iDFieldLengthMismatches	{2 13 0 1 7 25}	INTEGER	c74		c75		c76		-		-		c76		
20	iSConfigurationTimer	{2 13 0 2 7 24}	SEQUENCE	c87		c80		c80		-		-		c80		
21	"ISO/IEC 10589 : 1993": iSISControlPDUsReceived	{2 13 0 1 7 44}	INTEGER	c74		c75		c76		-		-		c76		

Table F.25 (continued) – linkage Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
22	iSISControlPDUsSent	{2 13 0 1 7 43}	INTEGER	c74		c75		c76		-		-		c76		
23	iSISHelloTimer	{2 13 0 1 7 45}	INTEGER	c84		c75		c75		-		-		c75		
24	iSO9542OperationalSubsets	{2 13 0 2 7 115}	BIT STRING	c85		c86		c86		-		-		c88		
25	iSReachabilityChanges	{2 13 0 2 7 23}	INTEGER	c59		c60		c61		-		-		c61		
26	idleTimer	{2 13 0 2 7 31}	SEQUENCE	c89		c90		c90		-		-		c90		
27	initialMinimumTimer	{2 13 0 2 7 33}	SEQUENCE	c91		c92		c92		-		-		c92		
28	initializationFailures	{2 13 0 1 7 41}	INTEGER	c74		c75		c76		-		-		c76		
29	invalid9542PDUs	{2 13 0 2 7 101}	INTEGER	c93		c84		c88		-		-		c88		
30	l1CircuitID	{2 13 0 1 7 48}	OCTET STRING	c94		c95		c96		-		-		c96		
31	l1DefaultMetric	{2 13 0 1 7 35}	INTEGER	c84		c75		c75		-		-		c75		
32	l1DelayMetric	{2 13 0 1 7 36}	INTEGER	c84		c75		c75		-		-		c75		
33	l1DesignatedIntermediateSystem	{2 13 0 1 7 49}	OCTET STRING	c94		c95		c96		-		-		c96		
34	l1ErrorMetric	{2 13 0 1 7 38}	INTEGER	c84		c75		c75		-		-		c75		
35	l1ExpenseMetric	{2 13 0 1 7 37}	INTEGER	c84		c75		c75		-		-		c75		
36	l1IntermediateSystemPriority	{2 13 0 1 7 47}	INTEGER	c97		c95		c95		-		-		c95		
37	l2CircuitID	{2 13 0 1 7 74}	OCTET STRING	c98		c99		c100		-		-		c100		
38	l2DefaultMetric	{2 13 0 1 7 68}	INTEGER	c101		c102		c102		-		-		c102		
39	l2DelayMetric	{2 13 0 1 7 69}	INTEGER	c101		c102		c102		-		-		c102		
40	l2DesignatedIntermediateSystem	{2 13 0 1 7 75}	OCTET STRING	c98		c99		c100		-		-		c100		
41	l2ErrorMetric	{2 13 0 1 7 71}	INTEGER	c101		c102		c102		-		-		c102		
42	l2ExpenseMetric	{2 13 0 1 7 70}	INTEGER	c101		c102		c102		-		-		c102		
43	l2IntermediateSystemPriority	{2 13 0 1 7 73}	INTEGER	c103		c99		c99		-		-		c99		
44	lanL1DesignatedIntermediateSystemChanges	{2 13 0 1 7 50}	INTEGER	c94		c95		c96		-		-		c96		
45	lanL2DesignatedIntermediateSystemChanges	{2 13 0 1 7 76}	INTEGER	c98		c99		c100		-		-		c100		
46	linkageId	{2 13 0 2 7 17}	GraphicString	c104		m		x		-		-		x		
47	manualISSNPAAddress	{2 13 0 2 7 28}	SET OF SEQUENCE	c78		c60		c60		c60		c60		c60		
48	manualL2OnlyMode	{2 13 0 1 7 72}	BOOLEAN "ISO/IEC 10589 : 1993"; constraintViolation	c101		c102		c102		-		-		c102		
49	maximumAreaAddressesMismatches	{2 13 0 1 7 118}	INTEGER	c74		c75		c76		-		-		c76		
50	nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c104		m		x		-		-		x		
51	objectClass	{2 9 3 2 7 65}	ObjectClass	c62		m		x		-		-		x		

Table F.25 (concluded) – linkage Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
52	operationalProtocols	{2 13 0 2 7 111}	SET OF SEQUENCE	c62		m		c63		-		-		c63		
53	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		-		-		x		
54	"ISO/IEC 10589 : 1993": outgoingCallIVMO	{2 13 0 1 7 120}	OCTET STRING	c105		c106		c106		-		-		c106		
55	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c107		c108		c109		c109		c109		c109		
56	"ISO/IEC 10589 : 1993": ptPCircuitID	{2 13 0 1 7 51}	OCTET STRING	c110		c111		c112		-		-		c112		
57	redirectHoldingTime	{2 13 0 2 7 26}	INTEGER	c87		c80		c80		-		-		c80		
58	"ISO/IEC 10589 : 1993": rejectedAdjacencies	{2 13 0 1 7 42}	INTEGER	c74		c75		c76		-		-		c76		
59	reserveTimer	{2 13 0 2 7 32}	SEQUENCE	c113		c114		c114		-		-		c114		
60	sN-SAP	{2 13 0 2 7 18}	ObjectInstance	c115		m		c63		-		-		c63		
61	sN-ServiceProvider	{2 13 0 2 7 19}	ObjectInstance	c62		m		c63		-		-		c63		
62	suggestedESConfiguration Timer	{2 13 0 2 7 25}	SEQUENCE	c87		c80		c80		-		-		c80		
63	"ISO/IEC 10589 : 1993": type	{2 13 0 1 7 33}	ENUMERATED	c84		c75		c76		-		-		c76		
64	neighbourSNPAAddress	{2 13 0 1 7 79}	SEQUENCE	c105		c106		c106		-		-		c106		

c59: IF F.11/6a and (F.9/1b or (G.1/9a or G.1/11a)) THEN x ELSE -

c60: IF F.11/6a THEN m ELSE -

c61: IF F.11/6a and F.9/1b THEN x ELSE -

c62: IF (G.1/10a or G.1/12a) THEN m ELSE x

c63: IF F.9/1b THEN x ELSE -

c64: IF F.11/3a THEN (IF (G.1/10a or G.1/12a) THEN o ELSE x) ELSE -

c65: IF F.11/3a THEN m ELSE -

c66: IF F.11/14a and (F.9/1b or (G.1/9a or G.1/11a)) THEN x ELSE -

c67: IF F.11/14a THEN m ELSE -

c68: IF F.11/14a and F.9/1b THEN x ELSE -

c69: IF F.11/16a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -

c70: IF F.11/16a THEN m ELSE -

c71: IF (F.11/11a or F.11/12a) and (F.9/1b or (G.1/9a or G.1/11a)) THEN x ELSE -

c72: IF (F.11/11a or F.11/12a) THEN m ELSE -

c73: IF (F.11/11a or F.11/12a) and F.9/1b THEN x ELSE -

c74: IF F.11/13a and (F.9/1b or (G.1/9a or G.1/11a)) THEN x ELSE -

c75: IF F.11/13a THEN m ELSE -

c76: IF F.11/13a and F.9/1b THEN x ELSE -

c77: IF F.11/14a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -

c78: IF F.11/6a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -

c79: IF F.11/5a and (F.9/1b or (G.1/9a or G.1/11a)) THEN x ELSE -

c80: IF F.11/5a THEN m ELSE -

c81: IF F.11/5a and F.9/1b THEN x ELSE -

c82: IF F.11/7a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -

c83: IF F.11/7a THEN m ELSE -

c84: IF F.11/13a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -

- c85: IF (F.11/5a or F.11/6a) THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -
- c86: IF (F.11/5a or F.11/6a) THEN m ELSE -
- c87: IF F.11/5a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -
- c88: IF (F.11/5a or F.11/6a) and F.9/1b THEN x ELSE -
- c89: IF F.11/10a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -
- c90: IF F.11/10a THEN m ELSE -
- c91: IF F.11/8a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -
- c92: IF F.11/8a THEN m ELSE -
- c93: IF (F.11/5a or F.11/6a) and (F.9/1b or (G.1/9a or G.1/11a)) THEN x ELSE -
- c94: IF F.11/15a and (F.9/1b or (G.1/9a or G.1/11a)) THEN x ELSE -
- c95: IF F.11/15a THEN m ELSE -
- c96: IF F.11/15a and F.9/1b THEN x ELSE -
- c97: IF F.11/15a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -
- c98: IF F.11/20a and (F.9/1b or (G.1/9a or G.1/11a)) THEN x ELSE -
- c99: IF F.11/20a THEN m ELSE -
- c100: IF F.11/20a and F.9/1b THEN x ELSE -
- c101: IF F.11/19a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -
- c102: IF F.11/19a THEN m ELSE -
- c103: IF F.11/20a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -
- c104: IF (G.1/10a or G.1/12a) THEN o ELSE x
- c105: IF F.11/18a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -
- c106: IF F.11/18a THEN m ELSE -
- c107: IF F.11/2a THEN (IF (G.1/10a or G.1/12a) THEN o ELSE x) ELSE -
- c108: IF F.11/2a THEN m ELSE -
- c109: IF F.11/2a THEN x ELSE -
- c110: IF (F.11/17a or F.11/18a) and (F.9/1b or (G.1/9a or G.1/11a)) THEN x ELSE -
- c111: IF (F.11/17a or F.11/18a) THEN m ELSE -
- c112: IF (F.11/17a or F.11/18a) and F.9/1b THEN x ELSE -
- c113: IF F.11/9a THEN m ELSE -
- c114: IF F.11/9a THEN (IF (G.1/10a or G.1/12a) THEN m ELSE x) ELSE -
- c115: IF F.9/1b or (G.1/9a or G.1/11a) THEN x ELSE -

**F.5.4 Attribute group**

**Table F.26 – linkage Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}	"ISO/IEC 10589 : 1993": lanL2DesignatedIntermediateSystemChanges	c116		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": state	{2 9 3 2 8 1}	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState "Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	m		-		

c116 IF F.11/5a or F.11/6a or F.11/11a or F.11/12a or F.11/13a or F.11/14a or F.11/15a or F.11/20a THEN m ELSE -

F.5.5 Action

Table F.27 – linkage Action support

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": activate	{2 9 3 5 9 0}		m			1.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	m		
							1.1.1	identifier	OBJECT IDENTIFIER	m		
							1.1.2	significance	BOOLEAN	o		
							1.1.3	information	ANY DEFINED BY identifier	m		
							1.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m		
							1.2.1	identifier	OBJECT IDENTIFIER	m		
							1.2.2	significance	BOOLEAN	o		
							1.2.3	information	ANY DEFINED BY identifier	m		
2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": deactivate	{2 9 3 5 9 1}		m			2.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	m		
							2.1.1	identifier	OBJECT IDENTIFIER	m		
							2.1.2	significance	BOOLEAN	o		
							2.1.3	information	ANY DEFINED BY identifier	m		
							2.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m		
							2.2.1	identifier	OBJECT IDENTIFIER	m		
							2.2.2	significance	BOOLEAN	o		
							2.2.3	information	ANY DEFINED BY identifier	m		

F.5.6 Notifications

Table F.28 – linkage Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": communicationsAlarm	{2 9 3 2 10 2}		c117			"ISO/IEC 10589 : 1993": notificationsSystemId	1.1	AlarmInfo		<b>Information Syntax</b> SEQUENCE	c117		
								1.1.1	probableCause	{2 9 3 2 7 18}	CHOICE	c:m		
								1.1.1.1	globalValue	-	OBJECT IDENTIFIER	c:o.1		
								1.1.1.2	localValue	-	INTEGER	c:o.1		
								1.1.2	specificProblems	{2 9 3 2 7 27}	SET OF CHOICE	c:o		
								1.1.2.1	OBJECT IDENTIFIER	-	OBJECT IDENTIFIER	c:o.2		
								1.1.2.2	INTEGER	-	INTEGER	c:o.2		

Table F.28 (continued) – linkage Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Notified								
								1.1.3	perceivedSeverity	{2 9 3 2 7 17}	ENUMERATED	c:m		
								1.1.4	backedUpStatus	{2 9 3 2 7 11}	BOOLEAN	c:o		
								1.1.5	backUpObject	{2 9 3 2 7 40}	ObjectInstance	c:o		
								1.1.6	trendIndication	{2 9 3 2 7 30}	ENUMERATED	c:o		
								1.1.7	thresholdInfo	{2 9 3 2 7 29}	SEQUENCE	c:o		
								1.1.7.1	triggeredThreshold	-	AttributeID	c:m		
								1.1.7.2	observedValue	-	CHOICE	c:m		
								1.1.7.2.1	integer	-	INTEGER	c:o.3		
								1.1.7.2.2	real	-	REAL	c:o.3		
								1.1.7.3	thresholdLevel	-	CHOICE	c:o		
								1.1.7.3.1	up	-	SEQUENCE	c:o.4		
								1.1.7.3.1.1	high	-	CHOICE	c:m		
								1.1.7.3.1.1	integer	-	INTEGER	c:o.5		
								1.1.7.3.1.1	real	-	REAL	c:o.5		
								1.1.7.3.1.2	low	-	CHOICE	c:o		
								1.1.7.3.1.2	integer	-	INTEGER	c:o.6		
								1.1.7.3.1.2	real	-	REAL	c:o.6		
								1.1.7.3.2	down	-	SEQUENCE	c:o.4		
								1.1.7.3.2.1	high	-	CHOICE	c:m		
								1.1.7.3.2.1	integer	-	INTEGER	c:o.7		
								1.1.7.3.2.1	real	-	REAL	c:o.7		
								1.1.7.3.2.2	low	-	CHOICE	c:m		
								1.1.7.3.2.2	integer	-	INTEGER	c:o.8		
								1.1.7.3.2.2	real	-	REAL	c:o.8		
								1.1.7.4	armTime	-	GeneralizedTime	c:o		
								1.1.8	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
								1.1.9	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
								1.1.9.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.9.2	sourceObjectInst	-	ObjectInstance	c:o		
								1.1.10	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	c:o		
								1.1.10.1	attributeID	-	AttributeID	c:m		
								1.1.10.2	oldAttributeValue	-	ANY DEFINED BY attributeID	c:o		
								1.1.10.3	newAttributeValue	-	ANY DEFINED BY attributeID	c:m		
								1.1.11	monitoredAttributes	{2 9 3 2 7 15}	SET OF Attribute	c:o		
								1.1.12	proposedRepairActions	{2 9 3 2 7 19}	SET OF CHOICE	c:o		
								1.1.12.1	OBJECT IDENTIFIER	-	OBJECT IDENTIFIER	c:o.9		
								1.1.12.2	INTEGER	-	INTEGER	c:o.9		
								1.1.13	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
								1.1.14	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:o		

Table F.28 (continued) – linkage Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
								1.1.14.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.14.2	significance	-	BOOLEAN	c:o		
								1.1.14.3	information	-	ANY DEFINED BY identifier	c:m		
2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsInformation	{2 9 3 5 10 0}			c118		reachability Change "ISO/IEC 10589 : 1993": notificationDesignatedIntermediateSystemChange	2.1	CommunicationsInformation		<b>Information Syntax SEQUENCE</b>	c118		
								2.1.1	informationType	{2 9 3 5 7 5}	OBJECT IDENTIFIER	c:m		
								2.1.2	informationData	{2 9 3 5 7 4}	SET OF SEQUENCE	c:o		
								2.1.2.1	identifier	-	OBJECT IDENTIFIER	c:m		
								2.1.2.2	significance	-	BOOLEAN	c:o		
								2.1.2.3	information	-	ANY DEFINED BY identifier	c:m		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}			m			3.1	ObjectInfo		<b>Information Syntax SEQUENCE</b>	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
								3.1.6.2	significance	-	BOOLEAN	c:o		
								3.1.6.3	information	-	ANY DEFINED BY identifier	c:m		
								4	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}			m	
4.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o										
4.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o										
4.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o										
4.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o										
4.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m										
4.1.4.2	sourceObjectInst	-	ObjectInstance	c:o										
4.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o										

Table F.28 (concluded) – linkage Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
								4.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								4.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
								4.1.6.2	significance	-	BOOLEAN	c:o		
								4.1.6.3	information	-	ANY DEFINED BY identifier	c:m		
5	"Rec. X.721   ISO/IEC 10165-2 : 1992": stateChange	{2 9 3 2 10 14}		m				5.1	StateChangeInfo		<b>Information Syntax</b> SEQUENCE	m		
								5.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								5.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeID	o		
								5.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	m		
								5.1.3.1	attributeID	-	AttributeID	m		
								5.1.3.2	oldAttributeValue	-	ANY DEFINED BY attributeID	o		
								5.1.3.3	newAttributeValue	-	ANY DEFINED BY attributeID	m		
								5.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								5.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								5.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								5.1.5.2	sourceObjectInst	-	ObjectInstance	c:o		
								5.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								5.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								5.1.7.1	identifier	-	OBJECT IDENTIFIER	c:m		
5.1.7.2	significance	-	BOOLEAN	c:o										
5.1.7.3	information	-	ANY DEFINED BY identifier	c:m										

c117: IF F.24/5a or F.24/6a or F.24/13a or F.24/14a THEN m ELSE -

c118: IF F.24/5a or F.24/6a or F.24/13a THEN m ELSE -

F.5.7 Parameters

Table F.29 – linkage Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	"ISO/IEC 10589 : 1993": notificationSystemId	{2 13 0 1 5 19}	EVENT-INFO communicationsAlarm	c117		
2	reachabilityChange	{2 13 0 2 5 12}	EVENT-INFO communicationsInformation	c118		
3	"ISO/IEC 10589 : 1993": notificationDesignatedIntermediateSystemChange	{2 13 0 1 5 24}	EVENT-INFO communicationsInformation	c118		
4	"ISO/IEC 10589 : 1993": constraintViolation	{2 13 0 1 5 10}	SPECIFIC-ERROR neighbourSNPAAAddress	c106		
5	"ISO/IEC 10589 : 1993": constraintViolation	{2 13 0 1 5 10}	SPECIFIC-ERROR manualL2OnlyMode	c102		

**F.6 The NSAP managed object**

**F.6.1 Statement of conformance to the managed object class**

**Table F.30 – nSAP Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	nSAP	{2 13 0 2 3 4}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.31 – nSAP Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.6.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.32.

**Table F.32 – nSAP Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c119		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c120		
4	nSAP-P		Mandatory	m		
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": sap2P1		Mandatory	m		

c119: IF F.32/3a THEN m ELSE -

c120: IF F.30/1b THEN - ELSE m

### F.6.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.33. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

Table F.33 – nSAP Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c121		c122		-		-		-		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c123		m		x		-		-		x		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c124		m		x		-		-		x		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c125		c126		c127		c127		c127		c127		
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165- 5 : 1993": providerEntityNames	{2 9 3 5 7 7}	SET OF ObjectInstance	c128		m		c129		-		-		c129		
6	"CCITT Rec. X.723 (1993)   ISO/IEC 10165- 5 : 1993": sap2Address	{2 9 3 5 7 9}	SET OF OCTET STRING	c124		m		c129		c129		c129		c129		
7	"CCITT Rec. X.723 (1993)   ISO/IEC 10165- 5 : 1993": sapId	{2 9 3 5 7 10}	GraphicString	c123		m		x		-		-		x		
8	"CCITT Rec. X.723 (1993)   ISO/IEC 10165- 5 : 1993": userEntityNames	{2 9 3 5 7 15}	SET OF ObjectInstance	c128		m		c129		-		-		c129		

c121: IF F.32/3a THEN (IF G.1/14a THEN o ELSE x) ELSE

c122: IF F.32/3a THEN m ELSE -

c123: IF G.1/14a THEN o ELSE x

c124: IF G.1/14a THEN m ELSE x

c125: IF F.32/2a THEN (IF G.1/14a THEN o ELSE x) ELSE -

c126: IF F.32/2a THEN m ELSE -

c127: IF F.32/2a THEN x ELSE -

c128: IF F.30/1b or (G.1/13a or G.1/15a) THEN x ELSE -

c129: IF F.30/1b THEN x ELSE -

F.6.4 Notifications

Table F.34 – nSAP Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information								
					Confirmed	Not confirmed																
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m										
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o										
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o										
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o										
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o										
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m										
								1.1.4.2	sourceObjectInst	-	ObjectInstance	c:o										
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o										
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o										
								1.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m										
								1.1.6.2	significance	-	BOOLEAN	c:o										
								1.1.6.3	information	-	ANY DEFINED BY identifier	c:m										
								2	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		m				2.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
																2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o																		
2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o																		
2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o																		
2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m																		
2.1.4.2	sourceObjectInst	-	ObjectInstance	c:o																		
2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o																		
2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o																		
2.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m																		
2.1.6.2	significance	-	BOOLEAN	c:o																		
2.1.6.3	information	-	ANY DEFINED BY identifier	c:m																		

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**F.7 The network connection managed object**

**F.7.1 Statement of conformance to the managed object class**

**Table F.35 – networkConnection Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	networkConnection	(2 13 0 2 3 13)		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.36 – networkConnection Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.7.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.37.

**Table F.37 – networkConnection Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	(2 9 3 2 4 16)	"any registered package other than this package has been instantiated"	c130		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	(2 9 3 2 4 17)	"if an object supports allomorhism"	c131		
4	networkConnection-P		Mandatory	m		
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": singlePeerConnectionP1		Mandatory	m		
6	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": singlePeerConnectionP2	(2 9 3 5 4 2)	"The names of the connections supported by this connection can be provided"	o		

c130: IF F.37/3a or F.37/6a THEN m ELSE -

c131: IF F.35/1b THEN - ELSE m

**F.7.3 Attributes**

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.38. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

**Table F.38 – networkConnection Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c132		c133		-		-		-		-		
2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": connectionId	{2 9 3 5 7 1}	GraphicString	x		m		x		-		-		x		
3	localNSAPMO	{2 13 0 2 7 106}	ObjectInstance	x		m		c134		-		-		c134		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	x		m		x		-		-		x		
5	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	x		m		x		-		-		x		
6	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c135		c136		c135		c135		c135		c135		
7	remoteNSAPAddress	{2 13 0 2 7 107}	OCTET STRING	x		m		c134		-		-		c134		
8	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": supportedConnectionNames	{2 9 3 5 7 12}	SET OF ObjectInstance	c137		c138		c139		c139		c139		c139		
9	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": underlyingConnectionNames	{2 9 3 5 7 14}	SET OF ObjectInstance	x		m		c134		c134		c134		c134		

c132: IF F.37/3a THEN x ELSE -

c133: IF F.37/3a THEN m ELSE -

c134: IF F.35/1b THEN x ELSE -

c135: IF F.37/2a THEN x ELSE -

c136: IF F.37/2a THEN m ELSE -

c137: IF F.37/6a THEN x ELSE -

c138: IF F.37/6a THEN m ELSE -

c139: IF F.37/6a and F.35/1b THEN x ELSE -

F.7.4 Action

Table F.39 – networkConnection Action support

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": deactivate	{2 9 3 5 9 1}		m			1.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	m		
							1.1.1	identifier	OBJECT IDENTIFIER	m		
							1.1.2	significance	BOOLEAN	o		
							1.1.3	information	ANY DEFINED BY identifier	m		
							1.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m		
							1.2.1	identifier	OBJECT IDENTIFIER	m		
							1.2.2	significance	BOOLEAN	o		
							1.2.3	information	ANY DEFINED BY identifier	m		

F.7.5 Notifications

Table F.40 – networkConnection Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support			Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed	Additional information							
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsInformation	{2 9 3 5 10 0}		m				1.1	CommunicationsInformation		<b>Information Syntax</b> SEQUENCE	m		
								1.1.1	informationType	{2 9 3 5 7 5}	OBJECT IDENTIFIER	m		
								1.1.2	informationData	{2 9 3 5 7 4}	SET OF SEQUENCE	o		
								1.1.2.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.2.2	significance	-	BOOLEAN	c:o		
								1.1.2.3	information	-	ANY DEFINED BY identifier	c:m		
								2	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		m		
2				m				2.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		

**Table F.40 (concluded) – networkConnection Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		m				2.1.6.2	significance	-	BOOLEAN	c.o		
								2.1.6.3	information	-	ANY DEFINED BY identifier	c.m		
								3.1	ObjectInfo		<b>Information Syntax SEQUENCE</b>	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c.m		
								3.1.4.2	sourceObjectInst		ObjectInstance	c.o		
								3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.6.1	identifier	-	OBJECT IDENTIFIER	c.m		
								3.1.6.2	significance	-	BOOLEAN	c.o		
								3.1.6.3	information	-	ANY DEFINED BY identifier	c.m		

**F.8 The network entity managed object**

**F.8.1 Statement of conformance to the managed object class**

**Table F.41 – networkEntity Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	networkEntity	{2 13 0 2 3 22}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.42 – networkEntity Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.8.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.43.

**Table F.43 – networkEntity Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c140		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphy"	c141		
4	networkEntity-P		Mandatory	m		
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsEntityP1		Mandatory	m		

c140: IF F.43/3a THEN m ELSE -

c141: IF F.41/1b THEN - ELSE m

**F.8.3 Attributes**

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.44. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

**Table F.44 – networkEntity Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c142		c143		-		-		-		-		
2	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsEntityId	{2 9 3 5 7 0}	GraphicString	c144		m		x		-		-		x		
3	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": localSapNames	{2 9 3 5 7 6}	SET OF ObjectInstance	c145		m		c146		c146		c146		c146		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c144		m		x		-		-		x		
8	networkEntityTitles	{2 13 0 2 7 3}	SET OF OCTET STRING	c147		m		m		m		m		c146		
5	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c147		m		x		-		-		x		
6	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		-		-		x		
7	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c148		c149		c150		c150		c150		c150		
8	systemType	{2 13 0 2 7 108}	SET OF ENUMERATED	c145		m		c146		-		-		c146		

c142: IF F.43/3a THEN (IF G.1/19a THEN o ELSE x) ELSE -

- c143: IF F.43/3a THEN m ELSE -
- c144: IF G.1/19a THEN o ELSE x
- c145: IF F.41/1b or (G.1/18a or G.1/20a) THEN x ELSE -
- c146: IF F.41/1b THEN x ELSE -
- c147: IF G.1/19a THEN m ELSE x
- c148: IF F.43/2a THEN (IF G.1/19a THEN o ELSE x) ELSE -
- c149: IF F.43/2a THEN m ELSE -
- c150: IF F.43/2a THEN x ELSE -

**F.8.4 Notification**

**Table F.45 – networkEntity Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.6.2	significance	-	BOOLEAN	c:o		
1.1.6.3	information	-	ANY DEFINED BY identifier	c:m										
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		m				2.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
								2.1.6.2	significance	-	BOOLEAN	c:o		
2.1.6.3	information	-	ANY DEFINED BY identifier	c:m										

**F.9 The network subsystem managed object**

**F.9.1 Statement of conformance to the managed object class**

**Table F.46 – networkSubsystem Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	networkSubsystem	{2 13 0 2 3 1}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.47 – networkSubsystem Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.9.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.48.

**Table F.48 – networkSubsystem Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package other than this package has been instantiated"	c151		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c152		
4	networkSubsystem-P		Mandatory	m		
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": subsystemP1		Mandatory	m		

c151: IF F.48/3a THEN m ELSE -

c152: IF F.46/1b THEN - ELSE m

**F.9.3 Attributes**

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.49. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

**Table F.49 – networkSubsystem Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c153		c154		-		-		-		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	x		m		x		-		-		x		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	x		m		x		-		-		x		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c155		c156		c155		c155		c155		c155		
5	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": subsystemid	{2 9 3 5 7 11}	GraphicString	x		m		x		-		-		x		

c153: IF F.48/3a THEN x ELSE -

c154: IF F.48/3a THEN m ELSE -

c155: IF F.48/2a THEN x ELSE -

c156: IF F.48/2a THEN m ELSE -

**F.10 The permanent virtual circuit DCE managed object**

**F.10.1 Statement of conformance to the managed object class**

**Table F.50 – permanentVirtualCircuit-DCE Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	permanentVirtualCircuit-DCE	{2 13 0 2 3 30}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.51– permanentVirtualCircuit-DCE Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.10.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.52.

**Table F.52 – permanentVirtualCircuit-DCE Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c156		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorhism"	c157		
4	permanentVirtualCircuit-DCE-P		Mandatory	m		
5	dCECommonVirtualCircuitCounters-P	{2 13 0 2 4 23}	"the instance supports the dCECommonVirtualCircuitCounters capabilities"	o		
6	virtualCircuit-P		Mandatory	m		

c156: IF F.52/3a or F.52/5a THEN m ELSE -

c157: IF F.50/1b THEN - ELSE m

**F.10.3 Attributes**

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.53. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

**Table F.53 – permanentVirtualCircuit-DCE Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c158		c159		-		-		-		-		
2	chargingDirection	{2 13 0 2 7 131}	BOOLEAN	c160		m		c160		-		-		c160		
3	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	c161		c162		c161		-		-		c161		
4	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	c161		c162		c161		-		-		c161		
5	interruptPacketsReceived	{2 13 0 2 7 88}	INTEGER	c161		c162		c161		-		-		c161		
6	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	c161		c162		c161		-		-		c161		
7	interruptTimerExpires	{2 13 0 2 7 69}	INTEGER	c161		c162		c161		-		-		c161		
8	logicalChannel	{2 13 0 2 7 89}	INTEGER	m		m		c160		-		-		c160		
9	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m		x		-		-		x		
10	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	m		m		x		-		-		x		
11	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	c161		c162		c161		-		-		c161		
12	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	c161		c162		c161		-		-		c161		
13	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		-		-		x		

Table F.53 (concluded) – permanentVirtualCircuit-DCE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
14	"Rec. X.721   ISO/IEC 10165-2 : 1992". packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c163		c164		c165		c165		c165		c165		
15	packetSizes	{2 13 0 2 7 121}	SEQUENCE	m		m		c160		-		-		c160		
16	providerInitiatedDisconnects	{2 13 0 2 7 54}	INTEGER	c161		c162		c161		-		-		c161		
17	providerInitiatedResets	{2 13 0 2 7 59}	INTEGER	c161		c162		c161		-		-		c161		
18	remoteDTEAddress	{2 13 0 2 7 93}	SEQUENCE	c160		m		c160		-		-		c160		
19	remoteLogicalChannel	{2 13 0 2 7 162}	INTEGER	c160		m		c160		-		-		c160		
20	remotelyInitiatedResets	{2 13 0 2 7 57}	INTEGER	c161		c162		c161		-		-		c161		
21	remotelyInitiatedRestarts	{2 13 0 2 7 61}	INTEGER	c161		c162		c161		-		-		c161		
22	resetTimeouts	{2 13 0 2 7 60}	INTEGER	c161		c162		c161		-		-		c161		
23	throughputClasses	{2 13 0 2 7 96}	SEQUENCE	m		m		c160		-		-		c160		
24	virtualCircuitId	{2 13 0 2 7 116}	GraphicString	o		m		x		-		-		x		
25	windowSizes	{2 13 0 2 7 124}	SEQUENCE	m		m		c160		-		-		c160		
26	x25SegmentsReceived	{2 13 0 2 7 171}	INTEGER	c161		c162		c161		-		-		c161		
27	x25SegmentsSent	{2 13 0 2 7 170}	INTEGER	c161		c162		c161		-		-		c161		

c158: IF F.52/3a THEN o ELSE -

c159: IF F.52/3a THEN m ELSE -

c160: IF F.50/1b THEN x ELSE -

c161: IF F52/5a and F.50/1b THEN x ELSE -

c162: IF F.52/5a THEN m ELSE -

c163: IF F.52/2a THEN o ELSE -

c164: IF F.52/2a THEN m ELSE -

c165: IF F.52/2a THEN x ELSE -

F.10.4 Attribute Groups

Table F.54 – permanentVirtualCircuit-DCE Attribute group support

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993". counters	{2 9 3 5 8 0}	dataPacketsReceived dataPacketsSent interruptPacketsReceived interruptPacketsSent interruptTimerExpires "Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter "Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter providerInitiatedDisconnects providerInitiatedResets remotelyInitiatedResets remotelyInitiatedRestarts resetTimeouts x25SegmentsReceived x25SegmentsSent	c162		-		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992". state	{2 9 3 2 8 1}	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	m		-		

F.10.5 Notifications

Table F.55 – permanentVirtualCircuit-DCE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.4.1	correlatedNotification	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.6.2	significance	-	BOOLEAN	c:o		
								1.1.6.3	information	-	ANY DEFINED BY identifier	c:m		
								2	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		m		
2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o										
2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o										
2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o										
2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o										
2.1.4.1	correlatedNotification	{2 9 3 2 7 12}	SET OF INTEGER	c:m										
2.1.4.2	sourceObjectInst	-	ObjectInstance	c:o										
2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o										
2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o										
2.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m										
2.1.6.2	significance	-	BOOLEAN	c:o										
2.1.6.3	information	-	ANY DEFINED BY identifier	c:m										
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": stateChange	{2 9 3 2 10 14}		m										
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF AttributeId	o		
								3.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	m		
								3.1.3.1	attributeID	-	AttributeId	m		
								3.1.3.2	oldAttributeValue	-	ANY DEFINED BY attributeID	o		
								3.1.3.3	newAttributeValue	-	ANY DEFINED BY attributeID	m		

**Table F.55 (concluded) – permanentVirtualCircuit-DCE Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Conformed	Nonconformed								
								3.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c,m		
								3.1.5.2	sourceObjectInst	-	ObjectInstance	c,o		
								3.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								3.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.7.1	identifier	-	OBJECT IDENTIFIER	c,m		
								3.1.7.2	significance	-	BOOLEAN	c,o		
								3.1.7.3	information	-	ANY DEFINED BY identifier	c,m		

**F.11 The permanent virtual circuit DTE managed object**

**F.11.1 Statement of conformance to the managed object class**

**Table F.56 – permanentVirtualCircuit-DTE Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	permanentVirtualCircuit-DTE	{2 13 0 2 3 19}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.57 – permanentVirtualCircuit-DTE Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.11.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.58.

Table F.58 – permanentVirtualCircuit-DTE Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c166		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphy"	c167		
4	permanentVirtualCircuit-DTE-P		Mandatory	m		
5	dTEVirtualCircuitCounters-P	{2 13 0 2 4 19}	"the instance supports the dTEVirtualCircuitCounters capabilities"	o		
6	virtualCircuit-P		Mandatory	m		

c166: IF F.58/3a or F.58/5a THEN m ELSE -

c167: IF F56/1b THEN - ELSE m

F.11.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.59. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

Table F.59 – permanentVirtualCircuit-DTE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c168		c169		-		-		-		-		
2	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	c170		c171		c170		-		-		c170		
3	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	c170		c171		c170		-		-		c170		
4	dataRetransmissionTimerExpires	{2 13 0 2 7 58}	INTEGER	c170		c171		c170		-		-		c170		
5	interruptPacketsReceived	{2 13 0 2 7 68}	INTEGER	c170		c171		c170		-		-		c170		
6	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	c170		c171		c170		-		-		c170		
7	interruptTimerExpires	{2 13 0 2 7 69}	INTEGER	c170		c171		c170		-		-		c170		
8	logicalChannel	{2 13 0 2 7 49}	INTEGER	m		m		c172		-		-		c172		
9	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m		x		-		-		x		
10	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	m		m		x		-		-		x		
11	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	c170		c171		c170		-		-		c170		
12	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	c170		c171		c170		-		-		c170		
13	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c173		c174		c175		c175		c175		c175		
14	packetSizes	{2 13 0 2 7 121}	SEQUENCE	m		m		c172		-		-		c172		
15	providerInitiatedResets	{2 13 0 2 7 59}	INTEGER	c170		c171		c170		-		-		c170		
16	remotelyInitiatedResets	{2 13 0 2 7 57}	INTEGER	c170		c171		c170		-		-		c170		
17	resetTimeouts	{2 13 0 2 7 60}	INTEGER	c170		c171		c170		-		-		c170		
18	throughputClasses	{2 13 0 2 7 96}	SEQUENCE	m		m		c172		-		-		c172		
19	virtualCircuitId	{2 13 0 2 7 116}	GraphicString	o		m		x		-		-		x		
20	windowSizes	{2 13 0 2 7 124}	SEQUENCE	m		m		c172		-		-		c172		

- c168: IF F.58/3a THEN o ELSE -
- c169: IF F.58/3a THEN m ELSE -
- c170: IF F.58/5a and F.56/1b THEN x ELSE -
- c171: IF F.58/5a THEN m ELSE -
- c172: IF F.56/1b THEN x ELSE -
- c173: IF F.58/2a THEN o ELSE -
- c174: IF F.58/2a THEN m ELSE -
- c175: IF F.58/2a THEN x ELSE -

**F.11.4 Attribute Groups**

**Table F.60 – permanentVirtualCircuit-DTE Attribute group support**

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	{2 9 3 5 8 0}	dataPacketsReceived dataPacketsSent dataRetransmissionTimerExpires interruptPacketsReceived interruptPacketsSent interruptTimerExpires "Rec. X.721   ISO/IEC 10165-2 : 1992" octetsReceivedCounter "Rec. X.721   ISO/IEC 10165-2 : 1992" octetsSentCounter providerInitiatedResets remotelyInitiatedResets resetTimeouts	c171				

**F.11.5 Notifications**

**Table F.61 – permanentVirtualCircuit-DTE Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Confirmed	Non-confirmed	Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 3 0 6}		m				1.1	ObjectInfo		<b>Information Syntax SEQUENCE</b>	m		
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								1.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								1.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.6.2	significance	-	BOOLEAN	c:o		
								1.1.6.3	information	-	ANY DEFINED BY identifier	c:m		

**Table F.61 (concluded) – permanentVirtualCircuit-DTE Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		m				2.1	ObjectInfo		<b>Information Syntax SEQUENCE</b>	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c.m		
								2.1.4.2	sourceObjectInst	-	ObjectInstance	c.o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	-	OBJECT IDENTIFIER	c.m		
								2.1.6.2	significance	-	BOOLEAN	c.o		
								2.1.6.3	information	-	ANY DEFINED BY identifier	c.m		

**F.12 The virtual call DCE managed object**

**F.12.1 Statement of conformance to the managed object class**

**Table F.62 – virtualCall-DCE Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	virtualCall-DCE	{2 15 0 2 3 31}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.63 – virtualCall-DCE Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.12.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.64.

Table F.64 – virtualCall-DCE Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c176		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c177		
4	virtualCall-DCE-P		Mandatory	m		
5	virtualCircuit-P		Mandatory	m		
6	dCECommonVirtualCircuitCounters-P	{2 13 0 2 4 23}	"the instance supports the dCECommonVirtualCircuitCounters capabilities "	o		
7	dCEVirtualCallFacilities-P	{2 13 0 2 4 24}	"the instance supports the dCEVirtualCallFacilities capabilities"	o		

c176: IF F.64/3a or F.64/6a or F.64/7a THEN m ELSE -

c177: IF F.621b THEN - ELSE m

F.12.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.65. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

Table F.65 – virtualCall-DCE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c178		c179		-		-		-		-		
2	bilateralCUGSelection	{2 13 0 2 7 126}	BOOLEAN	c180		c181		c182		-		-		c182		
3	cUGSelection	{2 13 0 2 7 135}	BOOLEAN	c183		m		c184		-		-		c184		
4	cUGWithOutgoingAccessSelection	{2 13 0 2 7 138}	BOOLEAN	c180		c181		c182		-		-		c182		
5	callRedirectionDeflectionNotification	{2 13 0 2 7 130}	BOOLEAN	c180		c181		c182		-		-		c182		
6	calledLineAddressModifiedNotification	{2 13 0 2 7 128}	BOOLEAN	c180		c181		c182		-		-		c182		
7	chargingDirection	{2 13 0 2 7 131}	BOOLEAN	c183		m		c184		-		-		c184		
8	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	c185		c186		c187		-		-		c187		
9	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	c185		c186		c187		-		-		c187		
10	direction	{2 13 0 2 7 92}	ENUMERATED	c183		m		c184		-		-		c184		
11	fastSelect	{2 13 0 2 7 76}	ENUMERATED	c183		m		c184		-		-		c184		
12	interruptPacketsReceived	{2 13 0 2 7 68}	INTEGER	c185		c186		c187		-		-		c187		
13	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	c185		c186		c187		-		-		c187		
14	interruptTimerExpires	{2 13 0 2 7 69}	INTEGER	c185		c186		c187		-		-		c187		
15	logicalChannel	{2 13 0 2 7 89}	INTEGER	c183		m		c184		-		-		c184		
16	nUISelection	{2 13 0 2 7 155}	BOOLEAN	c180		c181		c182		-		-		c182		
17	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c188		m		x		-		-		x		
18	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c189		m		x		-		-		x		
19	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	c185		c186		c187		-		-		c187		
20	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	c185		c186		c187		-		-		c187		
21	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c190		c191		c192		c192		c192		c192		
22	packetSizes	{2 13 0 2 7 121}	SEQUENCE	c183		m		c184		-		-		c184		

Table F.65 (concluded) – virtualCall-DCE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
23	providerInitiatedDisconnects	{2 13 0 2 7 54}	INTEGER	c185		c186		c187		-		-		c187		
24	providerInitiatedResets	{2 13 0 2 7 59}	INTEGER	c185		c186		c187		-		-		c187		
25	rPOASelection	{2 13 0 2 7 166}	BOOLEAN	c180		c181		c182		-		-		c182		
26	remoteDTEAddress	{2 13 0 2 7 93}	SEQUENCE	c183		m		c184		-		-		c184		
27	remotelyInitiatedResets	{2 13 0 2 7 57}	INTEGER	c185		c186		c187		-		-		c187		
28	remotelyInitiatedRestarts	{2 13 0 2 7 61}	INTEGER	c185		c186		c187		-		-		c187		
29	resetTimeouts	{2 13 0 2 7 60}	INTEGER	c185		c186		c187		-		-		c187		
30	reverseCharging	{2 13 0 2 7 75}	BOOLEAN	c180		c181		c182		-		-		c182		
31	throughputClasses	{2 13 0 2 7 96}	SEQUENCE	c183		m		c184		-		-		c184		
32	transitDelaySelectionAndIndication	{2 13 0 2 7 169}	BOOLEAN	c183		m		c184		-		-		c184		
33	virtualCircuitId	{2 13 0 2 7 116}	GraphicString	c188		m		x		-		-		x		
34	windowSizes	{2 13 0 2 7 124}	SEQUENCE	c183		m		c184		-		-		c184		
35	x25SegmentsReceived	{2 13 0 2 7 171}	INTEGER	c185		c186		c187		-		-		c187		
36	x25SegmentsSent	{2 13 0 2 7 170}	INTEGER	c185		c186		c187		-		-		c187		

c178: IF F.64/3a THEN (IF G.1/26a THEN o ELSE x) ELSE -

c179: IF F.64/3a THEN m ELSE -

c180: IF F.64/7a and (F.62/1b or (G.1/25a)) THEN x ELSE -

c181: IF F.64/7a THEN m ELSE -

c182: IF F.64/7a and F.62/1b THEN x ELSE -

c183: IF F.62/1b or (G.1/25a) THEN x ELSE -

c184: IF F.62/1b THEN x ELSE -

c185: IF F.64/6a and (F.62/1b or (G.1/25a)) THEN x ELSE -

c186: IF F.64/6a THEN m ELSE -

c187: IF F.64/6a and F.62/1b THEN x ELSE -

c188: IF G.1/26a THEN o ELSE x

c189: IF G.1/26a THEN m ELSE x

c190: IF F.64/2a THEN (IF G.1/26a THEN o ELSE x) ELSE -

c191: IF F.64/2a THEN m ELSE -

c192: IF F.64/2a THEN x ELSE -

**F.12.4 Attribute Groups**

Table F.66 – virtualCall-DCE Attribute group support

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5: 1993": counters	{2 9 3 5 8 0}	dataPacketsReceived dataPacketsSent interruptPacketsReceived interruptPacketsSent interruptTimerExpiries "Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter "Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter providerInitiatedDisconnects providerInitiatedResets remotelyInitiatedResets remotelyInitiatedRestarts resetTimeouts x25SegmentsReceived x25SegmentsSent	c186		c187		

F.12.5 Actions

Table F.67 – virtualCall-DCE Action support

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": deactivate	{2 9 3 5 9 1}		m			1.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	m		
							1.1.1	identifier	OBJECT IDENTIFIER	m		
							1.1.2	significance	BOOLEAN	o		
							1.1.3	information	ANY DEFINED BY identifier	m		
							1.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m		
							1.2.1	identifier	OBJECT IDENTIFIER	m		
							1.2.2	significance	BOOLEAN	o		
							1.2.3	information	ANY DEFINED BY identifier	m		

F.12.6 Notifications

Table F.68 – virtualCall-DCE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Notified								
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsInformation	{2 9 3 5 10 0}		m				1.1	CommunicationsInformation		<b>Information Syntax</b> SEQUENCE	m		
								1.1.1	informationType	{2 9 3 5 7 5}	OBJECT IDENTIFIER	m		
								1.1.2	informationData	{2 9 3 5 7 4}	SET OF SEQUENCE	o		
								1.1.2.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.2.2	significance	-	BOOLEAN	c:o		
								1.1.2.3	information	-	ANY DEFINED BY identifier	c:m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		m				2.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		

**Table F.68 (concluded) – virtualCall-DCE Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information							
					Confirmed	Nonconfirmed															
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o									
								2.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m									
								2.1.6.2	significance	-	BOOLEAN	c:o									
								2.1.6.3	information	-	ANY DEFINED BY identifier	c:m									
								3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		m			3.1	ObjectInfo		<b>Information Syntax SEQUENCE</b>	m		
									3.1.1	sourceIndicator	{2 9 3 2 7 26}		ENUMERATED	o							
									3.1.2	attributeList	{2 9 3 2 7 9}		SET OF Attribute	o							
	3.1.3	notificationIdentifier	{2 9 3 2 7 16}		INTEGER	o															
	3.1.4	correlatedNotifications	{2 9 3 2 7 12}		SET OF SEQUENCE	o															
	3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}		SET OF INTEGER	c:m															
	3.1.4.2	sourceObjectInst	-		ObjectInstance	c:o															
	3.1.5	additionalText	{2 9 3 2 7 7}		GraphicString	o															
	3.1.6	additionalInformation	{2 9 3 2 7 6}		SET OF SEQUENCE	o															
	3.1.6.1	identifier	-		OBJECT IDENTIFIER	c:m															
	3.1.6.2	significance	-		BOOLEAN	c:o															
	3.1.6.3	information	-		ANY DEFINED BY identifier	c:m															

**F.13 The virtual call DTE managed object**

**F.13.1 Statement of conformance to the managed object class**

**Table F.69 – virtualCall-DTE Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	virtualCall-DTE	{2 13 0 2 3 16}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.70 – virtualCall-DTE Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.13.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.71.

**Table F.71 – virtualCall-DTE Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c193		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphyism"	c194		
4	virtualCall-DTE-P		Mandatory	m		
5	virtualCircuit-P		Mandatory	m		
6	dTEVirtualCircuitCounters-P	{2 13 0 2 4 19}	"the instance supports the dTEVirtualCircuitCounters capabilities"	o		

c193: IF F.71/3a or F.71/6a THEN m ELSE -

c194: IF F.69/1b THEN - ELSE m

**F.13.3 Attributes**

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.72. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

**Table F.72 – virtualCall-DTE Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c195		c196		-		-		-		-		
2	calledAddressExtension	{2 13 0 2 7 100}	OCTET STRING	x		m		c197		-		-		-		c197
3	callingAddressExtension	{2 13 0 2 7 99}	OCTET STRING	x		m		c197		-		-		-		c197
4	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	c198		c199		c200		-		-		-		c200
5	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	c198		c199		c200		-		-		-		c200
6	dataRetransmissionTimerExpiries	{2 13 0 2 7 58}	INTEGER	c198		c199		c200		-		-		-		c200
7	direction	{2 13 0 2 7 92}	ENUMERATED	x		m		c197		-		-		-		c197
8	fastSelect	{2 13 0 2 7 76}	ENUMERATED	x		m		c197		-		-		-		c197
9	interruptPacketsReceived	{2 13 0 2 7 68}	INTEGER	c198		c199		c200		-		-		-		c200
10	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	c198		c199		c200		-		-		-		c200
11	interruptTimerExpiries	{2 13 0 2 7 69}	INTEGER	c198		c199		c200		-		-		-		c200
12	logicalChannel	{2 13 0 2 7 89}	INTEGER	x		m		c197		-		-		-		c197
13	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	x		m		x		-		-		-		x
14	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	x		m		x		-		-		-		x
15	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	c198		c199		c200		-		-		-		c200

Table F.72 (concluded) – virtualCall-DTE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
16	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	(2 9 3 2 7 80)	INTEGER	c198		c199		c200		-		-		c200		
17	originallyCalledAddress	(2 13 0 2 7 98)	SEQUENCE	x		m		c197		-		-		c197		
18	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	(2 9 3 2 7 66)	SET OF OBJECT IDENTIFIER	c201		c202		c201		c201		c201		c201		
19	packetSizes	(2 13 0 2 7 121)	SEQUENCE	x		m		c197		-		-		c197		
20	providerInitiatedResets	(2 13 0 2 7 59)	INTEGER	c198		c199		c200		-		-		c200		
21	redirectReason	(2 13 0 2 7 97)	INTEGER	x		m		c197		-		-		c197		
22	remoteDTEAddress	(2 13 0 2 7 93)	SEQUENCE	x		m		c197		-		-		c197		
23	remotelyInitiatedResets	(2 13 0 2 7 57)	INTEGER	c198		c199		c200		-		-		c200		
24	resetTimeouts	(2 13 0 2 7 60)	INTEGER	c198		c199		c200		-		-		c200		
25	reverseCharging	(2 13 0 2 7 75)	BOOLEAN	x		m		c197		-		-		c197		
26	throughputClasses	(2 13 0 2 7 96)	SEQUENCE	x		m		c197		-		-		c197		
27	virtualCircuitId	(2 13 0 2 7 116)	GraphicString	x		m		x		-		-		x		
28	windowSizes	(2 13 0 2 7 124)	SEQUENCE	x		m		c197		-		-		c197		

c195: IF F.71/3a THEN x ELSE -

c196: IF F.71/3a THEN m ELSE -

c197: IF F.69/1b THEN x ELSE -

c198: IF F.71/6a THEN x ELSE -

c199: IF F.71/6a THEN m ELSE -

c200: IF F.71/6a and F.69/1b THEN x ELSE -

c201: IF F.71/2a THEN x ELSE -

c202: IF F.71/2a THEN m ELSE -

F.13.4 Attribute Groups

Table F.73 – virtualCall-DTE Attribute group support

Index	Attribute group template label	Value of object identifier for attribute group	Constraints and values	Get		Set to default		Additional information
				Status	Support	Status	Support	
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": counters	(2 9 3 5 8 0)	dataPacketsReceived dataPacketsSent dataRetransmissionTimerExpiries interruptPacketsReceived interruptPacketsSent interruptTimerExpiries "Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter "Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter providerInitiatedResets remotelyInitiatedResets resetTimeouts	c199		-		

F.13.5 Actions

Table F.74 – virtualCall-DTE Action support

Index	Action type template label	Value of object identifier for action type	Constraints and values	Status	Support	Additional information	Subindex	Action field name label	Constraints and values	Status	Support	Additional information
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": deactivate	{2 9 3 5 9 1}		m			1.1	ActionInfo	<b>Information Syntax</b> SET OF SEQUENCE	m		
							1.1.1	identifier	OBJECT IDENTIFIER	m		
							1.1.2	significance	BOOLEAN	o		
							1.1.3	information	ANY DEFINED BY identifier	m		
							1.2	ActionReply	<b>Reply Syntax</b> SET OF SEQUENCE	m		
							1.2.1	identifier	OBJECT IDENTIFIER	m		
							1.2.2	significance	BOOLEAN	o		
							1.2.3	information	ANY DEFINED BY identifier	m		

F.13.6 Notifications

Table F.75 – virtualCall-DTE Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Notified								
1	"CCITT Rec. X.723 (1993)   ISO/IEC 10165-5 : 1993": communicationsInformation	{2 9 3 5 10 0}		m				1.1	CommunicationsInformation		<b>Information Syntax</b> SEQUENCE	m		
								1.1.1	informationType	{2 9 3 5 7 5}	OBJECT IDENTIFIER	m		
								1.1.2	informationData	{2 9 3 5 7 4}	SET OF SEQUENCE	o		
								1.1.2.1	identifier	-	OBJECT IDENTIFIER	c:m		
								1.1.2.2	significance	-	BOOLEAN	c:o		
								1.1.2.3	information	-	ANY DEFINED BY identifier	c:m		
2	"Rec. X.724   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		m				2.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
								2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								2.1.4.2	sourceObjectInst	-	ObjectInstance	c:o		
								2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								2.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
2.1.6.2	significance	-	BOOLEAN	c:o										
2.1.6.3	information	-	ANY DEFINED BY identifier	c:m										

**Table F.75 (concluded) – virtualCall-DTE Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
					Confirmed	Nonconfirmed								
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		m				3.1	ObjectInfo		<b>Information Syntax SEQUENCE</b>	m		
								3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
								3.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o		
								3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
								3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
								3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
								3.1.4.2	sourceObjectInst		ObjectInstance	c:o		
								3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o		
								3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
								3.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m		
								3.1.6.2	significance	-	BOOLEAN	c:o		
								3.1.6.3	information	-	ANY DEFINED BY identifier	c:m		

**F.14 The virtual call initial values managed object**

**F.14.1 Statement of conformance to the managed object class**

**Table F.76 – virtualCallIVMO Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	virtualCallIVMO	{2 13 0 2 3 15}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.77 – virtualCallIVMO Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.14.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.78.

Table F.78 – virtualCallIVMO Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c203		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c204		
4	virtualCallIVMO-P		Mandatory	m		

c203: IF F.78/3a THEN m ELSE -

c204: IF F.76/1b THEN - ELSE m

F.14.3 Attributes

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.79. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

Table F.79 – virtualCallIVMO Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorpha	{2 9 3 2 7 50}	SET OF ObjectClass	c205		c206				-		-		-		
2	fastSelect	{2 13 0 2 7 76}	ENUMERATED	m		m		m		-		-		c207		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m		x		-		-		x		
4	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	m		m		x		-		-		x		
5	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c208		c209		c210		c210		c210		c210		
6	packetSizes	{2 13 0 2 7 121}	SEQUENCE	m		m		m		-		-		c207		
7	reverseCharging	{2 13 0 2 7 75}	BOOLEAN	m		m		m		-		-		c207		
8	throughputClasses	{2 13 0 2 7 96}	SEQUENCE	m		m		m		-		-		c207		
9	virtualCallIVMOld	{2 13 0 2 7 117}	GraphicString	o		m		x		-		-		x		
10	windowSizes	{2 13 0 2 7 124}	SEQUENCE	m		m		m		-		-		c207		

c205: IF F.78/3a THEN o ELSE -

c206: IF F.78/3a THEN m ELSE -

c207: IF F.76/1b THEN x ELSE -

c208: IF F.78/2a THEN o ELSE -

c209: IF F.78/2a THEN m ELSE -

c210: IF F.78/2a THEN x ELSE -

F.14.4 Notifications

Table F.80 – virtualCallIVMO Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information								
					Confirmed	Nonconfirmed																
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectCreation	{2 9 3 2 10 6}		m				1.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m										
								1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o										
								1.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o										
								1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o										
								1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o										
								1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m										
								1.1.4.2	sourceObjectInst	-	ObjectInstance	c:o										
								1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o										
								1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o										
								1.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m										
								1.1.6.2	significance	-	BOOLEAN	c:o										
								1.1.6.3	information	-	ANY DEFINED BY identifier	c:m										
								2	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectDeletion	{2 9 3 2 10 7}		m				2.1	ObjectInfo		<b>Information Syntax</b> SEQUENCE	m		
																2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o		
2.1.2	attributeList	{2 9 3 2 7 9}	SET OF Attribute	o																		
2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o																		
2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o																		
2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m																		
2.1.4.2	sourceObjectInst	-	ObjectInstance	c:o																		
2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o																		
2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o																		
2.1.6.1	identifier	-	OBJECT IDENTIFIER	c:m																		
2.1.6.2	significance	-	BOOLEAN	c:o																		
2.1.6.3	information	-	ANY DEFINED BY identifier	c:m																		

F.15 The X25 PLE DCE managed object

F.15.1 Statement of conformance to the managed object class

Table F.81 – x25PLE-DCE Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	x25PLE-DCE	{2 13 0 2 3 27}		

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support table below.

**Table F.82 – x25PLE-DCE Actual class support**

Index	Managed object class template for actual class	Value of object identifier for managed object class definition of actual class	Additional information

**F.15.2 Packages**

The supplier of the implementation shall state whether or not the packages specified by this managed object of this class are supported, in Table F.83.

**Table F.83 – x25PLE-DCE Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": topPackage		Mandatory	m		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": packagesPackage	{2 9 3 2 4 16}	"any registered package, other than this package has been instantiated"	c211		
3	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphicPackage	{2 9 3 2 4 17}	"if an object supports allomorphism"	c212		
4	x25PLE-DCE-P		Mandatory	m		
5	x25PLE-P		Mandatory	m		
6	dCECommonVirtualCircuitCounters-P	{2 13 0 2 4 23}	"the instance supports the dCECommonVirtualCircuitCounters capabilities"	o		
7	dCEX25PLEFacilities-P	{2 13 0 2 4 26}	"the instance supports the dCEX25PLEFacilities capabilities"	o		
8	dCEX25PLETimers-P	{2 13 0 2 4 25}	"the instance supports the dCEX25PLETimers capabilities"	o		

c211: IF F.83/3a or F.83/6a or F.83/7a or F.83/8a THEN m ELSE -

c212: IF F.81/1b THEN - ELSE m

**F.15.3 Attributes**

The supplier of the implementation shall state whether or not the attributes specified by all of the packages instantiated in a managed object of this class are supported, in the Support and Additional information columns of Table F.84. The supplier of the implementation shall indicate support for each of the operations for each attribute supported.

**Table F.84 – x25PLE-DCE Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
1	"Rec. X.721   ISO/IEC 10165-2 : 1992": administrativeState	{2 9 3 2 7 31}	ENUMERATED	c213		m		m		-		-		c214		
2	"Rec. X.721   ISO/IEC 10165-2 : 1992": allomorphs	{2 9 3 2 7 50}	SET OF ObjectClass	c215		c216		-		-		-		-		
3	bilateralCUG	{2 13 0 2 7 125}	BOOLEAN	c217		c218		c218		-		-		c218		
4	bilateralCUGWithOutgoing Access	{2 13 0 2 7 127}	BOOLEAN	c217		c218		c218		-		-		c218		

Table F.84 (continued) – x25PLE-DCE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
5	cUG	{2 13 0 2 7 134}	BOOLEAN	c213		m		m		-		-		m		
6	cUGWithIncomingAccess	{2 13 0 2 7 136}	BOOLEAN	c217		c218		c218		-		-		c218		
7	cUGWithOutgoingAccess	{2 13 0 2 7 137}	BOOLEAN	c217		c218		c218		-		-		c218		
8	callAttempts	{2 13 0 2 7 52}	INTEGER	c219		m		c214		-		-		c214		
9	callDeflectionSubscription	{2 13 0 2 7 114}	BOOLEAN	c217		c218		c218		-		-		c218		
10	callRedirection	{2 13 0 2 7 129}	BOOLEAN	c217		c218		c218		-		-		c218		
11	callsConnected	{2 13 0 2 7 53}	INTEGER	c219		m		c214		-		-		c214		
12	chargingInformation	{2 13 0 2 7 132}	BOOLEAN	c217		c218		c218		-		-		c218		
13	clearIndication	{2 13 0 2 7 133}	INTEGER	c220		c221		c221		-		-		c221		
14	dBitModification	{2 13 0 2 7 139}	BOOLEAN	c217		c218		c218		-		-		c218		
15	dataPacketsReceived	{2 13 0 2 7 51}	INTEGER	c223		c224		c225		-		-		c225		
16	dataPacketsSent	{2 13 0 2 7 50}	INTEGER	c223		c224		c225		-		-		c225		
17	defaultPacketSizes	{2 13 0 2 7 103}	SEQUENCE	c213		m		m		-		-		m		
18	defaultThroughputClasses	{2 13 0 2 7 112}	SEQUENCE	c213		m		m		-		-		m		
19	defaultThroughputClassesAssignment	{2 13 0 2 7 144}	SEQUENCE	c217		c218		c218		-		-		c218		
20	defaultWindowSizees	{2 13 0 2 7 104}	SEQUENCE	c213		m		m		-		-		m		
21	extendedPacketSequenceNumbering	{2 13 0 2 7 49}	INTEGER	c217		c218		c218		-		-		c218		
22	fastSelectAcceptance	{2 13 0 2 7 145}	BOOLEAN	c213		m		m		-		-		m		
23	flowControlParameterNegotiation	{2 13 0 2 7 119}	BOOLEAN	c213		m		m		-		-		m		
24	huntGroup	{2 13 0 2 7 146}	BOOLEAN	c217		c218		c218		-		-		c218		
25	incomingCall	{2 13 0 2 7 147}	INTEGER	c220		c221		c221		-		-		c221		
26	incomingCallBarredWithinCUG	{2 13 0 2 7 149}	BOOLEAN	c217		c218		c218		-		-		c218		
27	incomingCallsBarred	{2 13 0 2 7 148}	BOOLEAN	c213		m		m		-		-		m		
28	interruptPacketsReceived	{2 13 0 2 7 68}	INTEGER	c223		c224		c225		-		-		c225		
29	interruptPacketsSent	{2 13 0 2 7 67}	INTEGER	c223		c224		c225		-		-		c225		
30	interruptTimerExpiries	{2 13 0 2 7 69}	INTEGER	c223		c224		c225		-		-		c225		
31	localChargingPrevention	{2 13 0 2 7 150}	BOOLEAN	c217		c218		c218		-		-		c218		
32	localDTEAddress	{2 13 0 2 7 39}	SEQUENCE	c213		m		m		-		-		c214		
33	logicalChannelAssignments	{2 13 0 2 7 48}	SEQUENCE	c213		m		m		-		-		c214		
34	nUIOverride	{2 13 0 2 7 154}	BOOLEAN	c217		c218		c218		-		-		c218		
35	nUISubscription	{2 13 0 2 7 153}	BOOLEAN	c217		c218		c218		-		-		c218		
36	"Rec. X.721   ISO/IEC 10165-2 : 1992": nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	c226		m		x		-		-		x		
37	nonStandardDefaultPacketSizes	{2 13 0 2 7 151}	SEQUENCE	c217		c218		c218		-		-		c218		
38	nonStandardDefaultWindowSizees	{2 13 0 2 7 152}	SEQUENCE	c217		c218		c218		-		-		c218		
39	"Rec. X.721   ISO/IEC 10165-2 : 1992": objectClass	{2 9 3 2 7 65}	ObjectClass	c213		m		x		-		-		x		
40	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsReceivedCounter	{2 9 3 2 7 78}	INTEGER	c223		c224		c225		-		-		c225		
41	"Rec. X.721   ISO/IEC 10165-2 : 1992": octetsSentCounter	{2 9 3 2 7 80}	INTEGER	c223		c224		c225		-		-		c225		
42	oneWayLogicalChannelIncoming	{2 13 0 2 7 156}	BOOLEAN	c217		c218		c218		-		-		c218		
43	oneWayLogicalChannelOutgoing	{2 13 0 2 7 157}	BOOLEAN	c213		m		m		-		-		m		
44	onlineFacilityRegistration	{2 13 0 2 7 158}	BOOLEAN	c217		c218		c218		-		-		c218		
45	"Rec. X.721   ISO/IEC 10165-2 : 1992": operationalState	{2 9 3 2 7 35}	ENUMERATED	x		m		x		-		-		x		
46	outgoingCallBarredWithinCUG	{2 13 0 2 7 160}	BOOLEAN	c217		c218		c218		-		-		c218		
47	outgoingCallsBarred	{2 13 0 2 7 159}	BOOLEAN	c213		m		m		-		-		m		
48	"Rec. X.721   ISO/IEC 10165-2 : 1992": packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	c227		c228		c229		c229		c229		c229		

Table F.84 (concluded) – x25PLE-DCE Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get		Replace		Add		Remove		Set to default		Additional information
				Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	Status	Support	
49	packetRetransmission	(2 13 0 2 7 161)	BOOLEAN	c217		c218		c218		-		-		c218		
50	protocolVersionSupported	(2 13 0 2 7 38)	ENUMERATED	c219		m		c214		-		-		c214		
51	providerInitiatedDisconnects	(2 13 0 2 7 54)	INTEGER	c223		c224		c225		-		-		c225		
52	providerInitiatedResets	(2 13 0 2 7 59)	INTEGER	c223		c224		c225		-		-		c225		
53	rPOASubscription	(2 13 0 2 7 167)	BOOLEAN	c217		c218		c218		-		-		c218		
54	remotelyInitiatedResets	(2 13 0 2 7 57)	INTEGER	c223		c224		c225		-		-		c225		
55	remotelyInitiatedRestarts	(2 13 0 2 7 61)	INTEGER	c223		c224		c225		-		-		c225		
56	resetIndication	(2 13 0 2 7 163)	INTEGER	c220		c221		c221		-		-		c222		
57	resetTimeouts	(2 13 0 2 7 60)	INTEGER	c223		c224		c225		-		-		c225		
58	restartIndication	(2 13 0 2 7 164)	INTEGER	c220		c221		c221		-		-		c222		
59	reverseChargingAcceptance	(2 13 0 2 7 165)	BOOLEAN	c217		c218		c218		-		-		c218		
60	sN-SAP	(2 13 0 2 7 18)	ObjectInstance	c219		m		c214		-		-		c214		
61	sN-ServiceProvider	(2 13 0 2 7 19)	ObjectInstance	c213		m		m		-		-		m		
62	throughputClassNegotiation	(2 13 0 2 7 168)	BOOLEAN	c213		m		m		-		-		m		
63	x25PLEId	(2 13 0 2 7 36)	GraphicString	c226		m		x		-		-		x		
64	x25PLEMode	(2 13 0 2 7 120)	ENUMERATED	c213		m		m		-		-		c214		
65	x25SegmentsReceived	(2 13 0 2 7 171)	INTEGER	c223		c224		c225		-		-		c225		
66	x25SegmentsSent	(2 13 0 2 7 170)	INTEGER	c223		c224		c225		-		-		c225		

c213: IF G.1/30a THEN m ELSE x

c214: IF F.81/1b THEN x ELSE -

c215: IF F.83/3a THEN (IF G.1/30a THEN o ELSE x) ELSE -

c216: IF F.83/3a THEN m ELSE -

c217: IF F.83/7a THEN (IF G.1/30a THEN m ELSE x) ELSE -

c218: IF F.83/7a THEN m ELSE -

c219: IF F.81/1b or G.1/29a THEN x ELSE -

c220: IF F.83/8a THEN (IF G.1/30a THEN m ELSE x) ELSE -

c221: IF F.83/8a THEN m ELSE -

c222: IF F.83/8a and F.81/1b THEN x ELSE -

c223: IF F.83/6a and (F.81/1b or G.1/29a) THEN x ELSE -

c224: IF F.83/6a THEN m ELSE -

c225: IF F.83/6a and F.81/1b THEN x ELSE -

c226: IF G.1/30a THEN o ELSE x

c227: IF F.83/2a THEN (IF G.1/30a THEN o ELSE x) ELSE -

c228: IF F.83/2a THEN m ELSE -

c229: IF F.83/2a THEN x ELSE -