



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**X.790**

**Amendment 1**

(10/96)

SERIES X: DATA NETWORKS AND OPEN SYSTEM  
COMMUNICATION

OSI management – Management functions

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Trouble management function for ITU-T  
applications

**Amendment 1: Implementation conformance  
statements proformas**

ITU-T Recommendation X.790 – Amendment 1

(Previously CCITT Recommendation)

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## FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (ITU). The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, March 1-12, 1993).

Amendment 1 to ITU-T Recommendation X.790, was prepared by ITU-T Study Group 7 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 5th of October 1996.

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### NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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## **SUMMARY**

Recommendation X.790 provides many possible options for implementors to choose from in the development of a product. This means that an Operations System (OS) product from one vendor needing to interwork with an OS product from another vendor must be developed to some common and explicit agreement both developers use concerning the actual options to be developed in their software products for X.739 based messages. This amendment provides a means to specify message options in such a way that the later documentation of actual options chosen for product can be more explicit. The result is that the time to carry out interoperability test between an OS from one vendor and an OS from another vendor may be reduced because product developers can be provided with more explicit message specification.



## TROUBLE MANAGEMENT FUNCTION FOR ITU-T APPLICATIONS

### AMENDMENT 1

#### Implementation conformance statements proformas

(Geneva, 1996)

1) *Replace clause 3 with the following:*

### 3 Definitions

For the purposes of this Recommendation, the following definitions apply:

#### 3.1 ASN.1 definitions

This Recommendation makes use of the following term defined in CCITT Rec. X.208 and ISO 8824:

- object identifier.

#### 3.2 Management framework definitions

This Recommendation makes use of the following term defined in CCITT Rec. X.700 and ISO/IEC 7498-4:

- managed object.

#### 3.3 Conformance testing methodology definitions

This Recommendation makes use of the following terms defined in ITU-T Rec. X.290 and ISO/IEC 9646-1:

- a) Protocol Implementation Conformance Statement (PICS);
- b) PICS proforma;
- c) system conformance statement.

#### 3.4 Systems management overview definitions

This Recommendation makes use of the following terms defined in CCITT Rec. X.701 | ISO/IEC 10040, with the exceptions as indicated:

- a) agent;
- b) managed object class;
- c) managed object conformance statement;
- d) manager;
- e) MOCS proformas;
- f) notification.

The definition of the term “agent” in CCITT Rec. X.701 | ISO/IEC 10040 is used with the following restriction. With respect to a particular telecommunications service (or resource) instance, it shall be possible to manage the service with one system playing the manager role, and the other playing the agent role.

The definition of the term “manager” in CCITT Rec. X.701 | ISO/IEC 10040 is used with the following restriction. With respect to a particular telecommunications service (or resource) instance, it shall be possible to manage the service with one system playing the manager role, and the other playing the agent role.

### 3.5 CMIS definitions

This Recommendation makes use of the following terms defined in CCITT Rec. X.710 and ISO/IEC 9595:

- a) attribute;
- b) attribute type;
- c) attribute value.

### 3.6 Management information model definitions

This Recommendation makes use of the following terms defined in CCITT Rec. X.720 | ISO/IEC 10165-1:

- a) action;
- b) behaviour;
- c) characteristic;
- d) conditional package;
- e) instantiation;
- f) name binding;
- g) package;
- h) parameter;
- i) superclass.

### 3.7 Guidelines for the definition of managed objects definitions

This Recommendation makes use of the following term defined in CCITT Rec. X.722 | ISO/IEC 10165-4:

- template.

### 3.8 Implementation conformance statements definitions

This Recommendation makes use of the following terms defined in ITU-T Rec. X.296 and ISO/IEC 9646-7:

- a) (ICS) item;
- b) (ICS) question;
- c) status (value);
- d) (support) answer.

### 3.9 Implementation conformance statement proforma definitions

This Recommendation makes use of the following terms defined in ITU-T Rec. X.724 | ISO/IEC 10165-6:

- a) Managed Relationship Conformance Statement (MRCS);
- b) Management Conformance Summary (MCS);
- c) MCS proforma;
- d) MRCS proforma.

### 3.10 Additional definitions

For the purpose of this Recommendation, the following definitions apply.

**3.10.1 alias:** Another name, besides the object identifier, by which a trouble report may be known, referenced or identified (usually by the customer).



- 3.10.2 application entity:** The aspects of an application process pertinent to OSI.
- 3.10.3 application association:** A cooperative relationship between two application entities, formed by their exchange of application protocol control information through their use of presentation services.
- 3.10.4 application context:** An explicitly identified set of application service elements, related options, and any other necessary information for the interworking of application entities on an application association.
- 3.10.5 associated alarms:** Alarms directly related to a given identified trouble.
- 3.10.6 cancelled:** A manager can request the agent to “cancel” a trouble report. The manager wants to abort this trouble report (either because it was entered in error or because there is no longer any trouble condition). Under certain conditions (e.g. the trouble has not been dispatched or tested), the agent will “cancel” the trouble report by updating its status to “closed-out by customer request.” “Cancelling” a trouble report may also have business ramifications beyond the scope of this Recommendation (e.g. whether the customer must pay for the trouble report).
- 3.10.7 clearing trouble reports:** An assertion by an agent that actions which are identified in the trouble report or the repair activity object instances have been satisfactorily performed to resolve the trouble, or that such actions are no longer necessary, such that in either case the trouble report is a candidate for closure.
- 3.10.8 client:** User of a service provided by a system or a network.
- 3.10.9 closed-out:** A trouble report is considered “closed-out” when the agent determines that the reported trouble has either been cleared or no longer exists, and the agent updates the trouble report status to indicate the trouble report is “closed-out”. Only an agent can change the trouble report status to “closedOut”. The status of a trouble report might change to “closedOutByCustReq” as a result of a request to cancel the trouble report from the manager.
- 3.10.10 closing trouble reports:** An assertion by an Agent that the trouble is resolved such that the cleared trouble report may only be processed further to generate a trouble history record and/or be deleted.
- 3.10.11 conformant management entity:** A real open system which supports the interoperable interface defined in this Recommendation.
- 3.10.12 contact:** A person who can provide additional information about the trouble on behalf of the manager or the agent.
- 3.10.13 customer:** The customer is an user of telecommunications services provided by a service provider. Specifically, in the context of this Recommendation, the customer is a user who chooses to use the OS (Operations System) -to-OS-OSI interface for network management across jurisdictions in order to achieve control of the telecommunication services (or resources) being used. The customer (or customer representative) acts in the manager role.
- There is no requirement that the interface be confined to cases where there is a traditional telecommunication service customer to service provider relationship between the parties. Two telecommunication service providers (carriers) may use this interface to exchange trouble reports in situations where their networks interwork in order to provide service to an end user. In that case, the Customer role may change from situation to situation. However, in any particular situation, one carrier will be the customer who will act in the manager role, while the other will be the supplier and will act in the agent role.
- 3.10.14 defer:** To postpone work on, or set aside, a trouble report until such time as when appropriate conditions are met and it can be progressed further.
- 3.10.15 event:** An instantaneous occurrence that changes the global status of an object. This status change may be persistent or temporary, thus allowing for surveillance, monitoring, and performance measurement functionality, etc. Events may or may not generate reports; they may be spontaneous or planned; they may trigger other events or may be triggered by one or more other events.
- 3.10.16 escalating a trouble report:** Identifying a trouble report which is to receive urgent and immediate supervisory attention to resolve the trouble.
- 3.10.17 fault management:** Fault Management consists of a set of functions that enable the detection, isolation, and correction of abnormal operation of the telecommunications network and its environment.

**3.10.18 jurisdiction:** This refers to the functional separation of telecommunications networks. A jurisdiction is one of the following four types:

- Local Exchange Carrier Network;
- Interexchange Carrier Network;
- End User Network;
- Some combination of the above.

**3.10.19 outage:** Unavailability of a service or resource.

**3.10.20 perceived severity:** The seriousness of the problem as seen by the person reporting the trouble.

**3.10.21 priority:** The degree of urgency with which the manager requires resolution of the problem.

**3.10.22 service:** This term represents telecommunication capabilities that the customer buys or leases from a service provider. Service is an abstraction of the network-element-oriented or equipment-oriented view. Identical services can be provided by different network elements, and different services can be provided by the same network elements.

**3.10.23 service provider:** A system or a network that provides a telecommunication service to a customer. In the context of this Recommendation, a service provider is specifically a provider of telecommunication services who offers the OS-to-OS-OSI interface to allow a customer the capability for network management across jurisdictions in order to control the services (or resources) being provided (see *Customer*). A service provider acts in the agent role.

There is no requirement that the interface be confined to cases where there is a traditional telecommunication service customer to telecommunication service provider relationship between the parties. It is certainly possible that two telecommunication carriers, whose networks interwork to provide a telecommunications service to an end user, may use this interface. In that case, the customer and service provider roles may change from situation to situation. However, in any particular situation, one carrier will be the customer and have the manager role, while the other will be the supplier, and will have the agent role.

**3.10.24 status of a trouble report:** The stage that has been reached by a trouble report since its instantiation/creation while the trouble is being resolved.

**3.10.25 time-stamp:** A time value used to indicate when a particular activity, action or an occurrence of an event took place.

**3.10.26 trouble:** Any cause that may lead to or contribute to a manager perceiving a degradation in the quality of service of one or more network services or one or more network resources being managed.

**3.10.27 trouble administration:** Trouble Administration consists of a set of functions that enable troubles to be reported and their status tracked. Trouble Administration services include request trouble report format, enter trouble report, add trouble information, cancel trouble report, request trouble report status, review trouble history, attribute value change notification (e.g. trouble report status/commitment time), object creation/deletion (trouble report), verify trouble repair completion, and modify trouble administration information.

**3.10.28 trouble history record:** A record of selected information from a trouble report that is retained for historical purposes after the trouble report is closed.

**3.10.29 trouble management:** The trouble reporting and tracking between CMEs interoperating cooperatively towards resolution of a trouble. (No distinction is made between inter-jurisdictional or intra-jurisdictional interfaces).

**3.10.30 trouble reporting:** The act of communicating that a trouble has been detected so that trouble management may be used in its resolution.

**3.10.31 trouble resolution:** It is the process of diagnosis and repair action required to clear a problem. It includes the process of assigning specific work items or overall responsibility for clearing and closing the trouble report.

**3.10.32 trouble tracking:** The ability to follow the progress of a trouble report from its creation through to its closure.

**3.10.33 trouble type:** The description or category of the trouble that was detected.

2) *Insert the following abbreviations to clause 4, by alphabetical order:*

ICS	Implementation Conformance Statement
MCS	Management Conformance Summary
MICS	Management Information Conformance Statement
MOCS	Managed Object Conformance Statement
MRCS	Managed Relationship Conformance Statement
PICS	Protocol Implementation Conformance Statement

3) *Replace clause 11 with the following:*

## **11 Conformance**

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

### **11.1 Static conformance**

The implementation shall conform to the requirements of this Recommendation in the manager role, the agent role, or both roles. A claim of conformance to at least one role shall be made in Table B0.4.1.

If a claim of conformance is made for support in the manager role, the implementation shall support at least one management operation or notification of the telecommunication trouble report managed object or at least one management operation or notification of the provider trouble report managed object specified by this Recommendation. The conformance requirements in the manager role for those management operations and notifications are identified in Table B0.4.3 and further tables referenced by Annex B.

If a claim of conformance is made for support in the agent role, the implementation shall support one or more instances of the telecommunications trouble report managed object class identified in Table B0.4.4, or it shall support one or more instances of the provider trouble report managed object class.

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

NOTE – Prior to the publication of this amendment, this Recommendation identified general and dependent conformance classes. A claim of conformance similar to general conformance class can be made by stating support in the manager role, the agent role, or both roles, for the kernel functional unit in Table B0.4.2. A claim of conformance similar to dependent conformance class can be made by stating support for at least one of the items in Tables B0.4.3 or B0.4.4.

### **11.2 Dynamic conformance**

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

### **11.3 Management implementation conformance statement requirements**

Any MCS proforma, MICS proforma, MOCS proforma, and MRCS proforma which conforms to this Recommendation shall be technically identical to the proformas specified in Annexes B, C, D and E, 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 Recommendation shall complete a copy of the Management Conformance Summary (MCS) provided in Annex B as part of the conformance requirements together with any other ICS proformas referenced as applicable from that MCS. An ICS which conforms to this Recommendation shall:

- describe an implementation which conforms to this Recommendation;
- 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.

4) *Insert the following annexes:*

## **Annex B<sup>4)</sup>**

### **MCS proforma**

#### **B0.1 Introduction**

##### **B0.1.1 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.

##### **B0.1.2 Instructions for completing the MCS proforma to produce a MCS**

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.

##### **B0.1.3 Symbols, abbreviations and terms**

For all annexes of this Recommendation, the following common notations, defined in CCITT Rec. X.291 and ISO/IEC 9646-2 and ITU-T Rec. X.296 and 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 ‘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 selectable options among a set of status values. Support of at least one of the choices (from the items with the same value of N) is required.

For all annexes of this Recommendation, the following common notations, defined in ITU-T Rec. X.291 and ISO/IEC 9646-2 and ITU-T Rec. X.296 and 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)

---

#### **4) Copyright release for MCS proforma**

Users of this Recommendation 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.

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

**B0.1.4 Table format**

Some of the tables in this Recommendation have been split because the information is too wide to fit on the page. Where this occurs, the index number of the first block of columns are the index numbers of the corresponding rows of the remaining blocks of columns. A complete table reconstructed from the constituent parts should have the following layout:

Index	First block of columns	Second block of columns	Etc.
-------	------------------------	-------------------------	------

In this Recommendation the constituent parts of the table appear consecutively, starting with the first block of columns.

When a table with subrows is too wide to fit on a page, the continuation table(s) have been constructed with index numbers identical to the index numbers in the corresponding rows of the first table, and with subindex numbers corresponding to the subrows within each indexed row. For example, if Table X.1 has 2 rows and the continuation of Table X.1 has 2 subrows for each row, the tables are presented as follows:

TABLE X.1

**Title**

					Support		
Index	A	B	C	D	E	F	G
1	a	b	–				
2	a	b	–				

TABLE X.1 (concluded)

**Title**

Index	Subindex	H	I	J	K	L
1	1.1	h	i	j		
	1.2	h	i	j		
2	2.1	h	i	j		
	2.2	h	i	j		

A complete table reconstructed from the constituent parts should have the following layout:

								Support						
Index	A	B	C	D	E	F	G	Subindex	H	I	J	K	L	
1	a	b	–					1.1	h	i	j			
								1.2	h	i	j			
2	a	b	–					2.1	h	i	j			
								2.2	h	i	j			

References made to cells within tables shall be interpreted as references within reconstructed tables. In the example above, the reference X.1/1d corresponds to the blank cell in column G for row with Index 1, and X.1/1.2b corresponds to the blank cell in column L for row with Subindex 1.2.

**B0.2 Identification of the implementation**

**B0.2.1 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
-------------------

**B0.2.2 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.

--

**B0.2.3 Contact**

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

--

**B0.3 Identification of the ITU-T Recommendations | International Standards 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 ITU-T Recommendations | International Standards which specify the management information to which conformance is claimed, in the box below.

ITU-T Recommendations   International Standards to which conformance is claimed
---

**B0.3.1 Technical corrigenda implemented**

The supplier of the implementation shall enter the reference numbers of implemented technical corrigenda which modify the identified ITU-T Recommendations | International Standards, in the box below.

--

**B0.3.2 Amendments implemented**

The supplier of the implementation shall state the titles and reference numbers of implemented amendments to the identified ITU-T Recommendations | International Standards, in the box below.

--

## B0.4 Management conformance summary

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

The supplier of the implementation shall specify the roles that are supported, in Table B0.4.1.

TABLE B0.4.1/X.790

### 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 support for the systems management functional units, in Table B0.4.2.

TABLE B0.4.2/X.790

### Systems management functional units

Index	Systems management functional unit name	Manager		Agent		Additional information
		Status	Support	Status	Support	
1	kernel functional unit	c1		c2		
	request trouble report format	c1		c2		
	trouble history event notification	c1		c2		
	review trouble history record	c1		c2		
	add trouble information	c1		c2		
	trouble report status/commitment time update notification	c1		c2		
	verify trouble repair completion	c1		c2		
	modify trouble administration information	c1		c2		
	trouble administration configuration event notification	c1		c2		
	trouble report progress notification	c1		c2		
	cancel trouble report	c1		c2		
	extended modify trouble administration information	c1		c2		
	delete telecommunications trouble report	c1		c2		
	refer telecommunications trouble report	c1		c2		
	transfer telecommunications trouble report	c1		c2		
	update state and status	c1		c2		
	repair activity object	c1		c2		
2	provider trouble report control	c1		c2		
c1: if B0.4.1/1a then o else –. c2: if B0.4.1/2a then o else –.						

The supplier of the implementation shall specify support for management information in the manager role, in Table B0.4.3.

TABLE B0.4.3/X.790

**Manager role minimum conformance requirement**

Index	Item	Status	Support	Additional information
1	Operations on the managed objects telecommunications trouble report or provider trouble report	c3		
2	State change notification for the managed objects	c4		
3	Object creation notification for the managed objects	c4		
4	Object deletion notification for the managed objects	c4		
5	Attribute value change notification for the managed objects	c4		
6	Processing error alarm notification for the managed objects	c4		
c3: if B0.4.2/1a or B.2/2a then m else (if B.1/1a then o.2 else –). c4: if B0.4.2/1a then m else [if B.2/2a then o.2 else (if B.1/1a then o.2 else –)]. NOTE – Manager role minimum conformance requires support for at least one of the items identified in this table. Support for any of the functional units identified in Table B0.4.2 mandates support for some of those items. Conditions c3 and c4 express both of these requirements.				

The supplier of the implementation shall specify support for management information in the agent role, in Table B0.4.4. If additional subclasses of trouble report objects are supported, the supplier of the implementation shall list the classes in the Additional information column.

TABLE B0.4.4/X.790

**Agent role minimum conformance requirement**

Index	Item	Status	Support	Additional information
1	TroubleReport managed object class	c5		
2	Subclasses of log records associated with notifications emitted by the Trouble Report managed object	c6		
3	Additional subclasses of log records	c7		
c5: if B0.4.1/2a then m else –. c6: if B0.4.1/2a and B0.4.5/1a then m else –. c7: if B0.4.1/2a then o else –. NOTE – Condition c6 makes it mandatory, if Trouble Reporting is supported, to support the event log records associated with the notifications supported.				

TABLE B0.4.5/X.790

**Trouble Reporting**

Index		Status	Support	Additional information
1	Does the implementation support reporting of trouble in agent role?	c8		
c8: if B.1/2a then o else –.				

The supplier of the implementation shall provide information on claims of conformance to any of the ITU-T Recommendations | International Standards summarized in Tables B0.4.6 to B0.4.9. For each ITU-T Recommendation | 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 B0.4.6 to B0.4.9, 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 B0.4.6/X.790

**PICS support summary**

Index	Identification of the document that includes the PICS proforma	Table numbers of PICS proforma	Description	Constraints and values	Status	Support	Table numbers of PICS	Additional information
1	CCITT Rec. X.730 (1992)   ISO/IEC 10164-1:1993	Annex E, all tables	SM application context	OBJECT IDENTIFIER	m			

NOTE – Conformance to the MAPDUs defined in this Recommendation can be claimed by completing the corresponding tables in the MICS and MOCS annexes of the referenced ITU-T Recommendations | International Standards.

TABLE B0.4.7/X.790

**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	CCITT Rec. X.730 (1992)   ISO/IEC 10164-1:1993	Annex C, all tables	objectCreation, objectDeletion and attributeValueChange records	–	c9			
2	CCITT Rec. X.731 (1992)   ISO/IEC 10164-2:1993	Annex C, all tables	stateChange record	–	c9			
3	CCITT Rec. X.733 (1992)   ISO/IEC 10164-4:1992	Annex C, all tables	alarmRecord	–	c9			
4	Rec. X.790	B1.1 - B1.10	account		o			
5	Rec. X.790	B2.1 - B2.10	cnmService		o			
6	Rec. X.790	B3.1 - B3.10	contact		o			
7	Rec. X.790	B4.1 - B4.10	providerTroubleReport		o			
8	Rec. X.790	B5.1 - B5.10	repairActivity		o			
9	Rec. X.790	B6.1 - B6.10	service		o			
10	Rec. X.790	B7.1 - B7.10	telecommunicationsTroubleReport		m			
11	Rec. X.790	B8.1 - B8.10	troubleHistoryRecord		o			
12	Rec. X.790	B9.1 - B9.10	troubleReportFormatDefn		o			
c9: if B.4/2a then m else –.								

TABLE B0.4.8/X.790

**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	Rec. X.790	B1.10	account-account		c:o.1			
2	Rec. X.790	B1.10	account-network		c:o.1			
3	Rec. X.790	B2.10	cnmService-account		c:o.2			
4	Rec. X.790	B3.10	contact-account		c:o.3			
5	Rec. X.790	B3.10	contact-network		c:o.3			
6	Rec. X.790	B3.10	contact-service		c:o.3			
7	Rec. X.790	B3.10	contact-system		c:o.3			
8	Rec. X.790	B4.10	providerTroubleReport-network		o			
9	Rec. X.790	B5.10	repairActivity-telecommunicationsTroubleReport		o			
10	Rec. X.790	B7.10	telecommunicationTroubleReport-account name binding	–	m			
11	Rec. X.790	B7.10	telecommunicationsTroubleReport-cnmService		m			
12	Rec. X.790	B7.10	telecommunicationTroubleReport-network name binding	–	m			
13	Rec. X.790	B3.10	telecommunicationsTroubleReport-system		m			
14	Rec. X.790	B3.10	troubleHistoryRecord-log		o			
15	Rec. X.790	B3.10	troubleReportFormatDefn-network		c:o.4			
16	Rec. X.790	B3.10	troubleReportFormatDefn-system		c:o.4			
<p>c:o.1: One of these name bindings must be supported and if a functional unit requires it, then that name binding must also be supported.</p> <p>c:o.2: One of these name bindings must be supported and if a functional unit requires it, then that name binding must also be supported.</p> <p>c:o.3: One of these name bindings must be supported and if a functional unit requires it, then that name binding must also be supported.</p> <p>c:o.4: One of these name bindings must be supported and if a functional unit requires it, then that name binding must also be supported.</p>								

## MOCS proforma<sup>5)</sup>

These tables are formatted according to ITU-T Rec. X.724 | ISO/IEC 10165-6 (“Requirements and guidelines for implementation conformance statement proformas associated with OSI management”).

The Managed Object Conformance Statement (MOCS) proformas that follow, should be used by an implementation to identify which features and properties of each managed object class are supported. These tables have been prepared without regard to manager or agent role, so they can be used in either situation. An implementation that supports both roles could either use one set of tables if all support details are the same, or a different set of tables for each role.

These tables were generated mechanically from the GDMO templates, with additions and clarifications added by hand.

These tables have columns for the “Base Status” and the “Profile Status”, where the entries are identical, allowing the tables to be used directly. Other profiles, such as an Ensemble, may modify these tables by replacing the “Profile Status” entries, using the normal rules for defining a profile.

Tables are numbered consistently for all classes, that is Table A.x.1 for Managed object class support, A.x.3 for Package support, etc. To preserve this numbering scheme, table numbers are allocated, even if a particular class does not have any of the corresponding properties.

### B1 account

TABLE B1.1/X.790

#### account Managed object class support

Index	Managed object class template label	Value of object identifier for the managed object 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	account	{0 0 24 790 0 3 1}		

TABLE B1.2/X.790

#### account Actual class support

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

#### <sup>5)</sup> Copyright release for MOCS proforma

Users of this Recommendation may freely reproduce the MOCS proforma in this annex so that it can be used for its intended purpose, and may further publish the completed MOCS.

TABLE B1.3/X.790  
**account package support**

Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information
1	aAccountContactAttributeListPkg	{0 0 24 790 0 4 1}	“an instance supports it and accountContactObjectListPkg is not present.”	c1		
2	aAccountContactObjectListPkg	{0 0 24 790 0 4 2}	“an instance supports it and accountContactAttributeListPkg is not present.”	c2		
3	accountPkg		Mandatory	m		
4	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorphism”	o		
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c3		
6	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		

TABLE B1.4/X.790  
**account Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	accountContactList	{0 0 24 790 0 7 1}	SET OF SEQUENCE	c1		c1	
2	accountName	{0 0 24 790 0 7 2}	GraphicString	m		m	
3	additionalText	{0 0 24 790 0 7 7}	GraphicString	m		m	
4	contactObjectPtrList	{0 0 24 790 0 7 31}	SET OF ObjectInstance	c2		c2	

TABLE B1.4/X.790 (continued)  
**Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	c1		c1		c1	
2	–		–		–	
3	m		–		–	
4	c2		c2		c2	

TABLE B1.4/X.790 (concluded)

**Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	–		
2	–		
3	–		
4	–		

TABLE B1.5/X.790

**account Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B1.6/X.790

**account Action support**

(There are no actions specified for this managed object class.)

TABLE B1.7/X.790

**account Notification support**

(There are no notifications specified for this managed object class.)

TABLE B1.8/X.790

**account Parameter support**

(There are no parameters specified for this managed object class.)

TABLE B1.9/X.790

**account Conditions**

Condition number	Condition	Reference
c1	If B1.3/1 then m else –.	“an instance supports it and accountContactObjectListPkg is not present.”
c2	If B1.3/2 then m else –.	“an instance supports it and accountContactAttributeListPkg is not present.”
c3	If B1.3/5 then m else –.	“any registered package, other than this package has been instantiated.”
c:o.1	If B1.9/1 or B.9/2 then m else –.	At least one name binding must be supported and if a functional unit requires a particular namebinding then that must be supported.

TABLE B1.10/X.790

**account Name Binding support**

Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information	Subindex
1	account-account	{0 0 24 790 0 6 1}	Superior class: account	c:o.1			1.1
							1.2
							1.3
							1.4
							1.5
							1.6
2	account-network	{0 0 24 790 0 6 2}	Superior class: Rec. M.3100:1992: network AND SUBCLASSES	c:o.1			2.1
							2.2
							2.3
							2.4
							2.5
							2.6

TABLE B1.10/X.790 (concluded)

**account Name Binding support**

Index	Subindex	Operation	Constraints and values	Status	Support	Additional information
1	1.1	Create support		–		
	1.2	Create with reference object		–		
	1.3	Create with automatic instance naming		–		
	1.4	Delete support		–		
	1.5	Delete only if no contained objects		–		
	1.6	Delete contained objects		–		
2	2.1	Create support		–		
	2.2	Create with reference object		–		
	2.3	Create with automatic instance naming		–		
	2.4	Delete support		–		
	2.5	Delete only if no contained objects		–		
	2.6	Delete contained objects		–		

## B2 cnmService

TABLE B2.1/X.790

### cnmService Managed object class support

Index	Managed object class template label	Value of object identifier for the managed object 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	cnmService	{0 0 24 790 0 3 2}		

TABLE B2.2/X.790

### cnmService Actual class support

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

TABLE B2.3/X.790

### cnmService Package support

Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information
1	Rec. M.3100:1992: administrativeOperationalStatesPackage	{0 0 13 3100 0 4 1}	“an instance supports it.”	o		
2	alarmStatusPackage	{0 0 24 790 0 4 2 1}	“an instance supports it.”	o		
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorhism”	o		
4	Rec. M.3100:1992: attributeValueChange NotificationPackage	{0 0 13 3100 0 4 4}	“The attribute ValueChange notification defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”	c1		
5	cnmServicePkg	{0 0 24 790 0 4 2}	Mandatory	m		
6	Rec. M.3100:1992: createDeleteNotificationPackage	{0 0 13 3100 0 4 10}	“The objectCreation and objectDeletion notifications defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 are supported by an instance of this class.”	c2		
7	csServiceAliasPkg	{0 0 24 790 0 4 3}	“an instance supports it.”	o		
8	csTroubleReportForm atObjectPtrPkg	{0 0 24 790 0 4 4}	“an instance supports it.”	o		
9	Rec. M.3100:1992: currentProblemListPackage	{0 0 13 3100 0 4 13}	“an instance supports it.”	o		

TABLE B2.3/X.790 (concluded)

**cnmService Package support**

Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information
10	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c3		
11	servicePackage	(Not registered)	Mandatory	m		
12	Rec. M.3100:1992: stateChangeNotificationPackage	{0 0 13 3100 0 4 28}	“The stateChange notification defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”	c4		
13	supportedByObjectListPackage	{0 0 24 790 0 4 19}	“an instance supports it.”	o		
14	supportedServiceNameListPackage	{0 0 24 790 0 4 20}	“an instance supports it.”	o		
15	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		
16	usageStatePackage	{0 0 24 790 0 4 22}	“an instance supports it.”	o		

TABLE B2.4/X.790

**cnmService Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: administrativeStates	{2 9 3 2 7 31}	ENUMERATED	o		o	
2	Rec. M.3100:1992: alarmStatus	(Not registered)		–		o	
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphs	{2 9 3 2 7 50}	SET OF CHOICE	–		o	
4	Rec. M.3100:1992: currentProblemList	(0 0 13 3100 0 7 17)	SET OF SEQUENCE	o		o	
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m	
6	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectClass	{2 9 3 2 7 65}	CHOICE	–		m	
7	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: operationalState	{2 9 3 2 7 35}	ENUMERATED	–		o	



TABLE B2.4/X.790 (continued)

**cnmService Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
8	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o		c3	
9	serviceAliasList	{0 0 24 790 0 7 82}	SET OF GraphicString	o		o	
10	serviceDescription	{0 0 24 790 0 7 83}	GraphicString	m		m	
11	serviceID	{0 0 24 790 0 7 85}		m		m	
12	serviceLocationList	{0 0 24 790 0 7 84}	SET OF SEQUENCE	m		m	
13	serviceType	{0 0 24 790 0 7 86}	CHOICE	m		m	
14	Rec. M.3100:1992: supportedByObjectList	(Not registered)		o		o	
15	supportedServiceNameList	{0 0 24 790 0 7 87}	ObjectList	o		o	
16	troubleReportFormatObjectPtr	{0 0 24 790 0 7 95}	ObjectInstance	o		o	
17	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: usageState	(Not registered)		–		o	

TABLE B2.4/X.790 (continued)

**cnmService Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	–		–		–	
2	–		–		–	
3	–		–		–	
4			–		–	
5	–		–		–	
6			–		–	
7			–		–	
8			–		–	
9	–		–		–	
10	–		–		–	
11	–		–		–	
12	–		–		–	
13	m		–		–	
14	o		o		o	
15	o		o		o	
16	–		–		–	
17	–		–		–	

TABLE B2.4/X.790 (concluded)

**cnmService Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	–	–	–
2	–	–	–
3	–	–	–
4	–	–	–
5	–	–	–
6	–	–	–
7	–	–	–
8	–	–	–
9	–	–	–
10	–	–	–
11	–	–	–
12	–	–	–
13	–	–	–
14	–	–	–
15	–	–	–
16	–	–	–
17	–	–	–

TABLE B2.5/X.790

**cnmService Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B2.6/X.790

**cnmService Action support**

(There are no actions specified for this managed object class.)

TABLE B2.7/X.790

**cnmService Notification support**

Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: attributeValueChange	{2 9 3 2 10 1}		c1				1.1
								1.1.1
								1.1.2
								1.1.2.1
								1.1.2.2
								1.1.3
								1.1.3.1
								1.1.3.1.1
								1.1.3.1.2
								1.1.3.2
								1.1.3.3
								1.1.4
								1.1.5
								1.1.5.1
								1.1.5.2
								1.1.5.2.1
								1.1.5.2.1.1
								1.1.5.2.1.2
								1.1.5.2.2
								1.1.5.2.3
1.1.5.2.3.1								
1.1.5.2.3.2								
1.1.6								
1.1.7								
1.1.7.1								
1.1.7.2								
1.1.7.3								
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectCreation	{2 9 3 2 10 6}		c2				2.1
								2.1.1
								2.1.2
								2.1.2.1
								2.1.2.1.1
								2.1.2.1.2
								2.1.2.2
								2.1.3
2.1.4								

TABLE B2.7/X.790 (continued)

**cnmService Notification support**

Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								2.1.4.1
								2.1.4.2
								2.1.4.2.1
								2.1.4.2.1.1
								2.1.4.2.1.2
								2.1.4.2.2
								2.1.4.2.3
								2.1.4.2.3.1
								2.1.4.2.3.2
								2.1.5
								2.1.6
								2.1.6.1
								2.1.6.2
								2.1.6.3
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectDeletion	{2 9 3 2 10 7}		c2				3.1
								3.1.1
								3.1.2
								3.1.2.1
								3.1.2.1.1
								3.1.2.1.2
								3.1.2.2
								3.1.3
								3.1.4
								3.1.4.1
								3.1.4.2
								3.1.4.2.1
								3.1.4.2.1.1
								3.1.4.2.1.2
								3.1.4.2.2
								3.1.4.2.3
								3.1.4.2.3.1
								3.1.4.2.3.2
								3.1.5
								3.1.6
								3.1.6.1
								3.1.6.2
								3.1.6.3

TABLE B2.7/X.790 (continued)

**cnmService Notification support**

Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
4	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: qualityofServiceAlarm	(Not registered)						
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: stateChange	{2 9 3 2 10 14}		c4				5.1
								5.1.1
								5.1.2
								5.1.2.1
								5.1.2.2
								5.1.3
								5.1.3.1
								5.1.3.1.1
								5.1.3.1.2
								5.1.3.2
								5.1.3.3
								5.1.4
								5.1.5
								5.1.5.1
								5.1.5.2
								5.1.5.2.1
								5.1.5.2.1.1
								5.1.5.2.1.2
								5.1.5.2.2
								5.1.5.2.3
5.1.5.2.3.1								
5.1.5.2.3.2								
5.1.6								
5.1.7								
5.1.7.1								
5.1.7.2								
5.1.7.3								

TABLE B2.7/X.790 (continued)

**cnmService Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	1.1	AttributeValueChangeInfo		Information Syntax SEQUENCE	c:1		
	1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:0		
	1.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF CHOICE	c:0		
	1.1.2.1	globalForm	–	OBJECT IDENTIFIER	c:o:1		
	1.1.2.2	localForm	–	INTEGER	c:o:1		
	1.1.3	attributeValueChangeDefinition	{2 9 3 2 7 10}	SET OF SEQUENCE	c:m		
	1.1.3.1	attributeID	–	CHOICE	c:m		
	1.1.3.1.1	globalForm	–	OBJECT IDENTIFIER	c:o:2		
	1.1.3.1.2	localForm	–	INTEGER	c:o:2		
	1.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:o		
	1.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
	1.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
	1.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
	1.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	1.1.5.2	sourceObjectList	–	CHOICE	c:o		
	1.1.5.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o:3		
	1.1.5.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.1.2	AttributeValue	–	ANY	c:m		
	1.1.5.2.2	nonSpecialForm	–	OCTET STRING	c:o:3		
	1.1.5.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o:3		
	1.1.5.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.3.2	AttributeValue	–	ANY	c:m		
	1.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
	1.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:o		
	1.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
	1.1.7.2	significance	–	BOOLEAN	c:o		
	1.1.7.3	information	–	ANY DEFINED By identifier	c:m		
2	2.1	ObjectInfo		Information Syntax SEQUENCE	c:2		
	2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
	2.1.2	attributeList	{2 9 3 2 7 9}	SET OF SEQUENCE	c:o		
	2.1.2.1	attributeID	–	CHOICE	c:m		
	2.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o:4		
	2.1.2.1.2	localForm	–	INTEGER	c:o		
	2.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		

TABLE B2.7/X.790 (continued)

**cnmService Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
	2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	2.1.4.2	sourceObjectList	–	CHOICE	c:o		
	2.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	2.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o		
	2.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
	2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c: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	3.1	ObjectInfo		Information Syntax SEQUENCE	c2		
	3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
	3.1.2	attributeList	{2 9 3 2 7 9}	SET OF SEQUENCE	c:o		
	3.1.2.1	attributrId	–	CHOICE	c:m		
	3.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.6		
	3.1.2.1.2	localForm	–	INTEGER	c:o.6		
	3.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
	3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
	3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	3.1.4.2	sourceObjectInst	–	CHOICE	c:o		
	3.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		
	3.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	3.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o		
	3.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		
	3.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
	3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c: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		

TABLE B2.7/X.790 (continued)

**cnmService Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
4							
5	5.1	StateChangeInfo		Information Syntax SEQUENCE	c4		
	5.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
	5.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF CHOICE	c:o		
	5.1.2.1	globalForm	–	OBJECT IDENTIFIER	c:o.8		
	5.1.2.2	localForm	–	INTEGER	c:o.8		
	5.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	c:m		
	5.1.3.1	attributeID	–	CHOICE	c:m		
	5.1.3.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.9		
	5.1.3.1.2	localForm	–	INTEGER	c:o.9		
	5.1.3.2	oldAttributeValue	–	ANY DEFINED By identifier	c:o		
	5.1.3.3	newAttributeValue	–	ANY DEFINED By identifier	c:m		
	5.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
	5.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
	5.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	5.1.5.2	sourceObjectInst	–	CHOICE	c:o		
	5.1.5.2.1	DistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.10		
	5.1.5.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	5.1.5.2.1.2	AttributeValue	–	ANY	c:m		
	5.1.5.2.2	nonSpecificForm	–	OCTET STRING	c:o.10		
	5.1.5.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.10		
	5.1.5.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	5.1.5.2.3.2	AttributeValue	–	ANY	c:m		
	5.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
	5.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c: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			

TABLE B2.8/X.790

**cnmService Parameter support**

(There are no parameters specified for this managed object class.)



TABLE B2.9/X.790

**cnmService Condition support**

Condition number	Condition	Reference
c1	If B2.3/4 then m else –.	“The attribute ValueChange notification defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”
c2	If B2.3/6 then m else –.	“The objectCreation and objectDeletion notifications defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 are supported by an instance of this class.”
c3	If B2.3/10 then m else –.	“any registered package other than this has been instantiated”
c4	If B2.3/12 then m else –.	“The stateChange notification defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”
c:o.1		“One of these must be supported”
c:o.2		“One of these must be supported”
c:o.3		“One of these must be supported”
c:o.4		“One of these must be supported”
c:o.5		“One of these must be supported”
c:o.6		“One of these must be supported”
c:o.7		“One of these must be supported”
c:o.8		“One of these must be supported”
c:o.9		“One of these must be supported”
c:o.10		“One of these must be supported”

TABLE B2.10/X.790

**cnmService Name Binding support**

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Status	Support	Additional information	Subindex
1	cnmService-account	{0 0 24 790 0 6 7}	Superior class: account	m			1.1
							1.2
							1.3
							1.4
							1.5
							1.6

TABLE B2.10/X.790 (concluded)

**cnmService Name Binding support**

Index	Subindex	Operation	Constraints and values	Status	Support	Additional information
1	1.1	Create support		–		
	1.2	Create with reference object		–		
	1.3	Create with automatic instance naming		–		
	1.4	Delete support		–		
	1.5	Delete only if no contained objects		–		
	1.6	Delete contained objects		–		

### B3 contact

TABLE B3.1/X.790

**contact Managed object class support**

Index	Managed object class template label	Value of object identifier for the managed object 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	contact	{0 0 24 790 0 3 3}		

TABLE B3.2/X.790

**contact Actual class support**

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

TABLE B3.3/X.790

**contact Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorphism”	o		
2	Rec. M.3100:1992: attributeValueChange NotificationPackage	{0 0 13 3100 0 4 4}	“The attribute ValueChange notification defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”	m		
3	contactCompanyPkg	{0 0 24 790 0 4 5}	“an instance supports it ”	o		
4	contactFunctionPkg	{0 0 24 790 0 4 6}	“an instance supports it ”	o		
5	contactNamesPkg	{0 0 24 790 0 4 7}	“an instance supports it ”	o		
6	contactPkg	{0 0 24 790 0 4 12}	Mandatory	m		
7	contactTypePkg	{0 0 24 790 0 4 8}	“an instance supports it ”	o		
8	Rec. M.3100:1992: createDeleteNotificationPackage	{0 0 13 3100 0 4 10}	“The objectCreation and objectDeletion notifications defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 are supported by an instance of this class.”	m		
9	electronicMailAddress Pkg	{0 0 24 790 0 4 9}	“an instance supports it ”	o		

TABLE B3.3/X.790 (concluded)

**contact Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
10	facsimileTelephoneNumberListPkg	{0 0 24 790 0 4 10}	“an instance supports it ”	o		
11	Rec. M.3100:1992: locationNamePackage	{0 0 24 790 0 4 17}	“an instance supports it ”	o		
12	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c1		
13	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		
14	typeTextPkg	{0 0 24 790 0 4 11}	“an instance supports it ”	o		
15	Rec. M.3100:1992: userLabelPackage	{0 0 13 3100 0 4 32}	“an instance supports it ”	o		

TABLE B3.4/X.790

**contact Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphs	{2 9 3 2 7 50}	SET OF CHOICE	–		o	
2	contactCompany	{0 0 24 790 0 7 26}	GraphicString	o		o	
3	contactDetails	{0 0 24 790 0 7 27}	GraphicString	m		m	
4	contactFunction	{0 0 24 790 0 7 28}	ENUMERATED	o		o	
5	contactID	{0 0 24 790 0 7 29}	SimpleNameType	m		m	
6	contactNames	{0 0 24 790 0 7 30}	SET OF CHOICE	o		o	
7	contactType	{0 0 24 790 0 7 32}	BIT STRING	o		o	
8	electronicMailAddress	{0 0 24 790 0 7 37}	SET OF IA5String	o		o	
9	facsimileTelephoneNumberList	{0 0 24 790 0 7 41}	TelephoneNumberList	o		o	

TABLE B3.4/X.790 (continued)

**contact Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
10	Rec. M.3100:1992: locationName	{0 0 24 790 0 4 27}	GraphicString	o		o	
11	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m	
12	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectClass	{2 9 3 2 7 65}	CHOICE	–		m	
13	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o		c1	
14	TelephoneNumberList	(Not registered)		m		m	
15	typeText	{0 0 24 790 0 4 107}	IA5 STRING	o		o	
16	Rec. M.3100:1992: userLabelPackage	{0 0 13 3100 0 7 50}	GraphicString	o		o	

TABLE B3.4/X.790 (continued)

**contact Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	–		–		–	
2	o		–		–	
3	m		–		–	
4	o		–		–	
5	–		–		–	
6	o		o		o	
7	o		–		–	
8	o		o		o	
9	o		o		o	
10	o		–		–	
11	–		–		–	
12	–		–		–	
13	–		–		–	
14	m		m		m	
15	o		–		–	
16	o		–		–	

TABLE B3.4/X.790 (*concluded*)

**contact Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	–		
2	–		
3	–		
4	–		
5	–		
6	–		
7	–		
8	–		
9	–		
10	–		
11	–		
12	–		
13	–		
14	–		
15	–		
16	–		

TABLE B3.5/X.790

**contact Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B3.6/X.790

**contact Action support**

(There are no actions specified for this managed object class.)

TABLE B3.7/X.790

contact Notification support

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: attributeValueChange	{ 2 9 3 2 10 1 }		m				1.1
								1.1.1
								1.1.2
								1.1.2.1
								1.1.2.2
								1.1.3
								1.1.3.1
								1.1.3.1.1
								1.1.3.1.2
								1.1.3.2
								1.1.3.3
								1.1.4
								1.1.5
								1.1.5.1
								1.1.5.2
								1.1.5.2.1
								1.1.5.2.1.1
								1.1.5.2.1.2
								1.1.5.2.2
								1.1.5.2.3
								1.1.5.2.3.1
1.1.5.2.3.2								
1.1.6								
1.1.7								
1.1.7.1								
1.1.7.2								
1.1.7.3								
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectCreation	{ 2 9 3 2 10 6 }		c2				2.1
								2.1.1
								2.1.2
								2.1.2.1
								2.1.2.1.1
								2.1.2.1.2
								2.1.2.2
2.1.3								

TABLE B3.7/X.790 (continued)

contact Notification support

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								2.1.4
								2.1.4.1
								2.1.4.2
								2.1.4.2.1
								2.1.4.2.1.1
								2.1.4.2.1.2
								2.1.4.2.2
								2.1.4.2.3
								2.1.4.2.3.1
								2.1.4.2.3.2
								2.1.5
								2.1.6
								2.1.6.1
								2.1.6.2
2.1.6.3								
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectDeletion	{2 9 3 2 10 7}		c2				3.1
3.1.1								
3.1.2								
3.1.2.1								
3.1.2.1.1								
3.1.2.1.2								
3.1.2.2								
3.1.3								
3.1.4								
3.1.4.1								
3.1.4.2								
3.1.4.2.1								
3.1.4.2.1.1								
3.1.4.2.1.2								
3.1.4.2.2								
3.1.4.2.3								
3.1.4.2.3.1								
3.1.4.2.3.2								
3.1.5								
3.1.6								
3.1.6.1								
3.1.6.2								
3.1.6.3								

TABLE B3.7/X.790 (continued)

## contact Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Profile	Support	Additional information
1	1.1	AttributeValueChangeInfo		Information Syntax SEQUENCE	m	m		
	1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	0	0		
	1.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF CHOICE	0	0		
	1.1.2.1	globalForm	–	OBJECT IDENTIFIER	c:o.1	c:o.1		
	1.1.2.2	localForm	–	INTEGER	c:o.1	c:o.1		
	1.1.3	attributeValueChangeDefinition	{2 9 3 2 7 10}	SET OF SEQUENCE	m	m		
	1.1.3.1	attributeID	–	CHOICE	c:m	c:m		
	1.1.3.1.1	globalForm	–	OBJECT IDENTIFIER	o.2	o.2		
	1.1.3.1.2	localForm	–	INTEGER	o.2	o.2		
	1.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	o	o		
	1.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	m	m		
	1.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o	o		
	1.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o	o		
	1.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m	c:m		
	1.1.5.2	sourceObjectList	–	CHOICE	c:o	c:o		
	1.1.5.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3	c:o.3		
	1.1.5.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m	c:m		
	1.1.5.2.1.2	AttributeValue	–	ANY	c:m	c:m		
	1.1.5.2.2	nonSpecialForm	–	OCTET STRING	c:o.3	c:o.3		
	1.1.5.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3	c:o.3		
	1.1.5.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m	c:m		
	1.1.5.2.3.2	AttributeValue	–	ANY	c:m	c:m		
	1.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o	o		
	1.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o	o		
	1.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m	c:m		
	1.1.7.2	significance	–	BOOLEAN	c:o	c:o		
	1.1.7.3	information	–	ANY DEFINED By identifier	c:m	c:m		



TABLE B3.7/X.790 (continued)

**contact Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Profile	Support	Additional information
2	2.1	ObjectInfo		Information Syntax SEQUENCE	m	m		
	2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o	o		
	2.1.2	attributeList	{2 9 3 2 7 9}	SET OF SEQUENCE	o	o		
	2.1.2.1	attributrId	–	CHOICE	c:m	c:m		
	2.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.4	c:o.4		
	2.1.2.1.2	localForm	–	INTEGER	c:o.4	c:o.4		
	2.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m	c:m		
	2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o	o		
	2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o	o		
	2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m	c:m		
	2.1.4.2	sourceObjectList	–	CHOICE	c:o	c:o		
	2.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5	c:o.5		
	2.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m	c:m		
	2.1.4.2.1.2	AttributeValue	–	ANY	c:m	c:m		
	2.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o.5	c:o.5		
	2.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5	c:o.5		
	2.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m	c:m		
	2.1.4.2.3.2	AttributeValue	–	ANY	c:m	c:m		
	2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o	o		
	2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o	o		
2.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m	c:m			
2.1.6.2	significance	–	BOOLEAN	c:o	c:o			
2.1.6.3	information	–	ANY DEFINED By identifier	c:m	c:m			
3	3.1	ObjectInfo		Information Syntax SEQUENCE	m	m		
	3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	o	o		
	3.1.2	attributeList	{2 9 3 2 7 9}	SET OF SEQUENCE	o	o		
	3.1.2.1	attributrId	–	CHOICE	c:m	c:m		
	3.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.6	c:o.6		
	3.1.2.1.2	localForm	–	INTEGER	c:o.6	c:o.6		
	3.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m	c:m		

TABLE B3.7/X.790 (continued)

**contact Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Profile	Support	Additional information
	3.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m	c:m		
	3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o	o		
	3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o	o		
	3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m	c:m		
	3.1.4.2	sourceObjectInst	–	CHOICE	c:o	c:o		
	3.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7	c:o.7		
	3.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m	c:m		
	3.1.4.2.1.2	AttributeValue	–	ANY	c:m	c:m		
	3.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o	c:o		
	3.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7	c:o.7		
	3.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m	c:m		
	3.1.4.2.3.2	AttributeValue	–	ANY	c:m	c:m		
	3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	o	o		
	3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o	o		
	3.1.6.1	identifier	–	OBJECT IDENTIFIER	c:m	c:m		
	3.1.6.2	significance	–	BOOLEAN	c:o	c:o		
	3.1.6.3	information	–	ANY DEFINED By identifier	c:m	c:m		

TABLE B3.8/X.790

**contact Parameter support**

(There are no parameters specified for this managed object class.)

TABLE B3.9/X.790  
**contact Condition support**

Condition number	Condition	Reference
c1	If B3.3/12 then m else –.	“any registered package other than this has been instantiated”
c2		“The objectCreation and objectDeletion notifications defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: are supported by an instance of this class.”
c:o.1		At least one name binding must be supported and if a functional unit requires a particular namebinding, then that must be supported.
c:o.2		At least one notification field must be supported
c:o.3		At least one notification field must be supported
c:o.4		At least one notification field must be supported
c:o.5		At least one notification field must be supported
c:o.6		At least one notification field must be supported
c:o.7		At least one notification field must be supported

TABLE B3.10/X.790  
**contact Name Binding support**

Index	Name binding template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information	Subindex
1	contact-account	{0 0 24 790 0 6 3}	Superior class: account	m			1.1
							1.2
							1.3
							1.4
							1.5
							1.6
2	contact-network	{0 0 24 790 0 6 4}	Superior class: Rec. M.3100:1992: network AND SUBCLASSES	c:o.1			2.1
							2.2
							2.3
							2.4
							2.5
							2.6
3	contact-service	{0 0 24 790 0 6 5}	Superior class: service	c:o.1			3.1
							3.2
							3.3
							3.4
							3.5
							3.6

TABLE B3.10/X.790 (continued)

**contact Name Binding support**

Index	Name binding template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information	Subindex
4	contact-system	{0 0 24 790 0 6 6}	Superior class: CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: system	c:o.1			4.1
							4.2
							4.3
							4.4
							4.5
							4.6

TABLE B3.10/X.790 (continued)

**contact Name Binding support**

Index	Subindex	Operation	Constraints and values	Status	Profile	Support	Additional information
1	1.1	Create support		–	–		
	1.2	Create with reference object		–	–		
	1.3	Create with automatic instance naming		–	–		
	1.4	Delete support		–	–		
	1.5	Delete only if no contained objects		–	–		
	1.6	Delete contained objects		–	–		
2	2.1	Create support		–	–		
	2.2	Create with reference object		–	–		
	2.3	Create with automatic instance naming		–	–		
	2.4	Delete support		–	–		
	2.5	Delete only if no contained objects		–	–		
	2.6	Delete contained objects		–	–		
3	3.1	Create support		–	–		
	3.2	Create with reference object		–	–		
	3.3	Create with automatic instance naming		–	–		

TABLE B3.10/X.790 (concluded)

**contact Name Binding support**

Index	Subindex	Operation	Constraints and values	Status	Profile	Support	Additional information
	3.4	Delete support		–	–		
	3.5	Delete only if no contained objects		–	–		
	3.6	Delete contained objects		–	–		
4	4.1	Create support		–	–		
	4.2	Create with reference object		–	–		
	4.3	Create with automatic instance naming		–	–		
	4.4	Delete support		–	–		
	4.5	Delete only if no contained objects		–	–		
	4.6	Delete contained objects		–	–		

**B4 providerTroubleReport**

TABLE B4.1/X.790

**providerTroubleReport Managed object class support**

Index	Managed object class template label	Value of object identifier for the managed object 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	providerTroubleReport	{0 0 24 790 0 3 4}		

TABLE B4.2/X.790

**providerTroubleReport Actual class support**

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

TABLE B4.3/X.790

**providerTroubleReport Package support**

Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorphism”	o		
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c1		
3	providerTroubleReportPkg		Mandatory	m		
4	ptrUnavailableServicePtrPkg	{0 0 24 790 0 4 13}	“an instance supports it and if a service is impacted”	c2		
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		
6	trActivityDurationPkg	{0 0 24 790 0 4 86}	“an instance supports it.”	o		
7	trAgentContactPersonAttributePkg	{0 0 24 790 0 4 87}	“an instance supports it and trAgentContactPersonObjectPkg is not present.”	c3		
8	trAgentContactPersonObjectPkg	{0 0 24 790 0 4 88}	“an instance supports it and trAgentContactPersonAttributePkg is not present.”	c4		
9	trAttributeValueChangeEventPkg	{0 0 24 790 0 4 14}	Mandatory	m		
10	trCloseOutNarrPkg	{0 0 24 790 0 4 89}	“an instance supports it.”	o		
11	trHistoryEventPkg	{0 0 24 790 0 4 99}	“an instance supports it.”	o		
12	trManagedObjectInstanceAliasListPkg	{0 0 24 790 0 4 90}	“an instance supports it.”	o		
13	trObjectCreationDeletionPkg	{0 0 24 790 0 4 15}	Mandatory	m		
14	trRelatedTroubleReportListPkg	{0 0 24 790 0 4 92}	“an instance supports it.”	o		
15	trRepairActivityListPkg	{0 0 24 790 0 4 93}	“an instance supports it and no RepairActivity object is contained in an instance of this object class or its subclasses.”	c5		
16	trRestoredTimePkg	{0 0 24 790 0 4 94}	“an instance supports it.”	o		
17	trTroubleClearancePersonAttributePkg	{0 0 24 790 0 4 95}	“an instance supports it.”	o		
18	trTroubleReportFormatObjectPtrPkg	{0 0 24 790 0 4 96}	“an instance supports it.”	o		
19	troubleReportPkg	(Not registered)	Mandatory	m		
20	x790AttributeValueChangeEventPkg	{0 0 24 790 0 4 97}	“an instance supports it.”	o		
21	x790NumberListPkg	{0 0 24 790 0 4 91}	“an instance supports it.”	o		

TABLE B4.4/X.790

**providerTroubleReport Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	activityDuration	{0 0 24 790 0 7 4}	SET OF SEQUENCE	–		o	
2	additionalTroubleInfo List	{0 0 24 790 0 7 8}	SET OF GraphicString	m		m	
3	agentContactObjectPtr	{0 0 24 790 0 7 12}	CHOICE	c4		c4	
4	agentContactPerson	{0 0 24 790 0 7 11}	SEQUENCE	c3		c3	
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphs	{2 9 3 2 7 50}	SET OF CHOICE	–		o	
6	beginTime	{0 0 24 790 0 7 19}	GeneralizedTime	m		m	
7	closeOutNarr	{0 0 24 790 0 7 23}	GraphicString	o		o	
8	endTime	{0 0 24 790 0 7 38}	GeneralizedTime	m		m	
9	managedObjectInstance	{0 0 24 790 0 7 63}	ObjectInstance	m		m	
10	managedObjectInstanceAliasList	{0 0 24 790 0 7 64}	SET OF GraphicString	o		o	
11	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m	
12	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectClass	{2 9 3 2 7 65}	CHOICE	–		m	
13	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o		c1	
14	receivedTime	{0 0 24 790 0 7 74}	GeneralizedTime	m		m	
15	relatedTroubleReportList	{0 0 24 790 0 7 75}	SET OF ObjectInstance	o		o	
16	repairActivityList	{0 0 24 790 0 7 77}	SET OF SEQUENCE	c5		c5	
17	restoredTime	{0 0 24 790 0 7 81}	CHOICE	o		o	
18	troubleClearancePerson	{0 0 24 790 0 7 90}	SEQUENCE	o		o	
19	troubleFound	{0 0 24 790 0 7 92}	CHOICE	m		m	
20	troubleLocation	{0 0 24 790 0 7 93}	CHOICE	m		m	
21	troubleReportFormatObjectPtr	{0 0 24 790 0 7 95}	ObjectInstance	x		o	
22	troubleReportID	{0 0 24 790 0 7 97}	GraphicString	m		m	
23	troubleReportNumberList	{0 0 24 790 0 7 100}	SET OF GraphicString	o		o	
24	troubleReportState	{0 0 24 790 0 7 101}	INTEGER	m		m	
25	troubleReportStatus	{0 0 24 790 0 7 102}	CHOICE	m		m	
26	troubleReportStatusTime	{0 0 24 790 0 7 103}	GeneralizedTime	m		m	
27	troubleType	{0 0 24 790 0 7 105}	CHOICE	m		m	
28	unavailableServicePtr	{0 0 24 790 0 7 108}	CHOICE	c2		c2	

TABLE B4.4/X.790 (continued)

**providerTroubleReport Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	-		o		-	
2	-		m		-	
3	-		-		-	
4	-		-		-	
5	-		-		-	
6	-		-		-	
7	o		-		-	
8	-		-		-	
9	-		-		-	
10	-		-		-	
11	-		-		-	
12	-		-		-	
13	-		-		-	
14	-		-		-	
15	-		-		-	
16	-		c5		-	
17	o		-		-	
18	o		-		-	
19	m		-		-	
20	-		-		-	
21	-		-		-	
22	-		-		-	
23	-		-		-	
24	m		-		-	
25	m		-		-	
26	-		-		-	
27	-		-		-	
28	-		-		-	



TABLE B4.4/X.790 (concluded)

**providerTroubleReport Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	-		
2	-		
3	-		
4	-		
5	-		
6	-		
7	-		
8	-		
9	-		
10	-		
11	-		
12	-		
13	-		
14	-		
15	-		
16	-		
17	-		
18	-		
19	-		
20	-		
21	-		
22	-		
23	-		
24	-		
25	-		
26	-		
27	-		
28	-		

TABLE B4.5/X.790

**providerTroubleReport Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B4.6/X.790

**providerTroubleReport Action support**

(There are no actions specified for this managed object class.)

TABLE B4.7/X.790

**providerTroubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: attributeValueChange	{2 9 3 2 10 1}		m				1.1
								1.1.1
								1.1.2
								1.1.2.1
								1.1.2.2
								1.1.3
								1.1.3.1
								1.1.3.1.1
								1.1.3.1.2
								1.1.3.2
								1.1.3.3
								1.1.4
								1.1.5
								1.1.5.1
								1.1.5.2
								1.1.5.2.1
								1.1.5.2.1.1
								1.1.5.2.1.2
								1.1.5.2.2
								1.1.5.2.3
								1.1.5.2.3.1
1.1.5.2.3.2								
1.1.6								
1.1.7								
1.1.7.1								
1.1.7.2								
1.1.7.3								

TABLE B4.7/X.790 (continued)  
**providerTroubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectCreation	{2 9 3 2 10 6}		m				2.1
								2.1.1
								2.1.2
								2.1.2.1
								2.1.2.1.1
								2.1.2.1.2
								2.1.2.2
								2.1.3
								2.1.4
								2.1.4.1
								2.1.4.2
								2.1.4.2.1
								2.1.4.2.1.1
								2.1.4.2.1.2
								2.1.4.2.2
								2.1.4.2.3
								2.1.4.2.3.1
								2.1.4.2.3.2
								2.1.5
								2.1.6
2.1.6.1								
2.1.6.2								
2.1.6.3								
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectDeletion	{2 9 3 2 10 7}		m				3.1
								3.1.1
								3.1.2
								3.1.2.1
								3.1.2.1.1
								3.1.2.1.2
								3.1.2.2
								3.1.3
								3.1.4
								3.1.4.1

TABLE B4.7/X.790 (continued)

**providerTroubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								3.1.4.2
								3.1.4.2.1
								3.1.4.2.1.1
								3.1.4.2.1.2
								3.1.4.2.2
								3.1.4.2.3
								3.1.4.2.3.1
								3.1.4.2.3.2
								3.1.5
								3.1.6
								3.1.6.1
								3.1.6.2
								3.1.6.3
4	troubleHistoryEvent Notification	{0 0 24 790 0 10 1}		o				4.1
4.1.1								
4.1.2								
4.1.3								
4.1.3.1								
4.1.3.2								
4.1.4								
4.1.4.1								
4.1.4.1.1								
4.1.4.1.2								
4.1.4.1.3								
4.1.4.1.4								
4.1.4.1.5								
4.1.4.2								
4.1.4.3								
4.1.5								
4.1.6								
4.1.6.1								
4.1.6.2								
4.1.6.3								
4.1.6.4								
4.1.6.4.1								

TABLE B4.7/X.790 (continued)

**providerTroubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								4.1.6.4.2
								4.1.6.4.3
								4.1.6.4.4
								4.1.6.4.4.1
								4.1.6.4.4.2
								4.1.6.4.4.3
								4.1.6.4.4.4
								4.1.6.4.5
								4.1.6.4.6
								4.1.6.4.7
								4.1.7
								4.1.8
								4.1.9
								4.1.10
								4.1.10.1
								4.1.10.2
								4.1.11
								4.1.12
								4.1.12.1
								4.1.12.2
								4.1.13
								4.1.14
								4.1.14.1
								4.1.14.2
								4.1.14.3
								4.1.14.4
								4.1.14.4.1
								4.1.14.4.2
								4.1.14.4.3
								4.1.14.4.4
								4.1.14.5
								4.1.14.6
								4.1.14.7
								4.1.15
								4.1.16
								4.1.16.1
								4.1.16.2

TABLE B4.7/X.790 (continued)

**providerTroubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	1.1	AttributeValueChangeInfo		Information Syntax SEQUENCE	m		
	1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	0		
	1.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF CHOICE	0		
	1.1.2.1	globalForm	–	OBJECT IDENTIFIER	c:o.1		
	1.1.2.2	localForm	–	INTEGER	c:o.1		
	1.1.3	attributeValueChangeDefinition	{2 9 3 2 7 10}	SET OF SEQUENCE	m		
	1.1.3.1	attributeID	–	CHOICE	c:m		
	1.1.3.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.2		
	1.1.3.1.2	localForm	–	INTEGER	c:o.2		
	1.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	o		
	1.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	m		
	1.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
	1.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
	1.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	1.1.5.2	sourceObjectList	–	CHOICE	c:o		
	1.1.5.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3		
	1.1.5.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.1.2	AttributeValue	–	ANY	c:m		
	1.1.5.2.2	nonSpecialForm	–	OCTET STRING	c:o.3		
	1.1.5.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3		
	1.1.5.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.3.2	AttributeValue	–	ANY	c:m		
	1.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		
	1.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
	1.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
	1.1.7.2	significance	–	BOOLEAN	c:o		
1.1.7.3	information	–	ANY DEFINED By identifier	c:m			

TABLE B4.7/X.790 (continued)

**providerTroubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
2	2.1	ObjectInfo		Information Syntax 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 SEQUENCE	o		
	2.1.2.1	attributrId	–	CHOICE	c:m		
	2.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.4		
	2.1.2.1.2	localForm	–	INTEGER	c:o.4		
	2.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	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	sourceObjectList	–	CHOICE	c:o		
	2.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	2.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o.5		
	2.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	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	3.1	ObjectInfo		Information Syntax 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 SEQUENCE	o		
	3.1.2.1	attributrId	–	CHOICE	c:m		
	3.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.6		
	3.1.2.1.2	localForm	–	INTEGER	c:o.6		
	3.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	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		

TABLE B4.7/X.790 (continued)  
**providerTroubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	3.1.4.2	sourceObjectInst	–	CHOICE	c:o		
	3.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o:7		
	3.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	3.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o		
	3.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o:7		
	3.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	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	4.1	TroubleHistoryInfo		Information Syntax SEQUENCE	o		
	4.1.1	managedObjectInstance	–	ObjectInstance	c:m		
	4.1.2	receivedTime	–	GeneralizedTime	c:m		
	4.1.3	troubleFound	–	CHOICE	c:m		
	4.1.3.1	number	–	INTEGER	c:o:8		
	4.1.3.2	identifier	–	OBJECT IDENTIFIER	c:o:8		
	4.1.4	activityDuration	–	SET OF SEQUENCE	c:o		
	4.1.4.1	duration	–	SEQUENCE	c:m		
	4.1.4.1.1	day	–	INTEGER	c:o		
	4.1.4.1.2	hour	–	INTEGER	c:o		
	4.1.4.1.3	minute	–	INTEGER	c:o		
	4.1.4.1.4	second	–	INTEGER	c:o		
	4.1.4.1.5	msec	–	INTEGER	c:o		
	4.1.4.2	billable	–	BOOLEAN	c:o		
	4.1.4.3	type	–	BIT STRING	c:o		
	4.1.5	additionalTroubleInfoList	–	SET OF GraphicString	c:o		
	4.1.6	authorizationList	–	SET OF SEQUENCE	c:o		
	4.1.6.1	state	–	ENUMERATED	c:m		
	4.1.6.2	type	–	BIT STRING	c:m		
	4.1.6.3	authTime	–	GeneralizedTime	c:o		
	4.1.6.4	authPerson	–	SEQUENCE	c:o		
	4.1.6.4.1	number	–	GraphicString	c:o		



TABLE B4.7/X.790 (concluded)

**providerTroubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	4.1.6.4.2	name	–	GraphicString	c:o		
	4.1.6.4.3	phone	–	GraphicString	c:o		
	4.1.6.4.4	loc	–	SEQUENCE	c:o		
	4.1.6.4.4.1	civicAddress	–	GraphicString	c:m		
	4.1.6.4.4.2	city	–	GraphicString	c:m		
	4.1.6.4.4.3	state	–	GraphicString	c:m		
	4.1.6.4.4.4	zip	–	GraphicString	c:m		
	4.1.6.4.5	email	–	GraphicString	c:o		
	4.1.6.4.6	fax	–	GraphicString	c:o		
	4.1.6.4.7	respon	–	GraphicString	c:o		
	4.1.7	cancelRequestedByManager	–	BOOLEAN	c:o		
	4.1.8	closeOutNarr	–	GraphicString	c:o		
	4.1.9	closeOutVerification	–	ENUMERATED	c:o		
	4.1.10	commitmentTime	–	CHOICE	c:o		
	4.1.10.1	onsiteTime	–	GeneralizedTime	c:o.9		
	4.1.10.2	clearedTime	–	GeneralizedTime	c:o.9		
	4.1.11	custTroubleTickNum	–	GraphicString	c:o		
	4.1.12	perceivedTroubleSeverity	–	CHOICE	c:o		
	4.1.12.1	number	–	INTEGER	c:o.10		
	4.1.12.2	identifier	–	OBJECT IDENTIFIER	c:o.10		
	4.1.13	restoredTime	–	GeneralizedTime	c:o		
	4.1.14	troubleClearancePerson	–	SEQUENCE	c:o		
	4.1.14.1	number	–	GraphicString	c:o		
	4.1.14.2	name	–	GraphicString	c:o		
	4.1.14.3	phone	–	GraphicString	c:o		
	4.1.14.4	loc	–	SEQUENCE	c:o		
	4.1.14.4.1	civicAddress	–	GraphicString	c:m		
	4.1.14.4.2	city	–	GraphicString	c:m		
	4.1.14.4.3	state	–	GraphicString	c:m		
	4.1.14.4.4	zip	–	GraphicString	c:m		
	4.1.14.5	email	–	GraphicString	c:o		
	4.1.14.6	fax	–	GraphicString	c:o		
	4.1.14.7	respon	–	GraphicString	c:o		
	4.1.15	troubleReportNumberList	–	SET OF GraphicString	c:o		
	4.1.16	troubleType	–	CHOICE	c:o		
	4.1.16.1	number	–	INTEGER	c:o.11		
	4.1.16.2	identifier	–	OBJECT IDENTIFIER	c:o.11		

TABLE B4.8/X.790

**providerTroubleReport Parameter support**

(There are no parameters specified for this managed object class.)

TABLE B4.9/X.790

**providerTroubleReport Conditions**

Condition number	Condition	Reference
c1	If B4.3/2 then m else –.	“any registered package other than this has been instantiated”
c2	If B4.3/4 then m else –.	“an instance supports it and if a service is impacted”
c3	If B4.3/7 then m else –.	“an instance supports it and trAgentContactPersonObjectPkg is not present.”
c4	If B4.3/8 then m else –.	“an instance supports it and trAgentContactPersonAttributePkg is not present.”
c5	If B4.3/12 then m else –.	“an instance supports it and no RepairActivity object is contained in an instance of this object class or its subclasses.”
c:o.1		At least one notification field must be supported
c:o.2		At least one notification field must be supported
c:o.3		At least one notification field must be supported
c:o.4		At least one notification field must be supported
c:o.5		At least one notification field must be supported
c:o.6		At least one notification field must be supported
c:o.7		At least one notification field must be supported
c:o.8		At least one notification field must be supported
c:o.9		At least one notification field must be supported
c:o.10		At least one notification field must be supported
c:o.11		At least one notification field must be supported

TABLE B4.10/X.790

**providerTroubleReport Name Binding support**

Index	Name binding template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information	Subindex
1	providerTroubleReport-network	{0 0 24 790 0 6 19}	Superior class: Rec. M.3100:1992: network AND SUBCLASSES	o			1.1
							1.2
							1.3
							1.4
							1.5
							1.6

TABLE B4.10/X.790 (concluded)

**providerTroubleReport Name Binding support**

Index	Subindex	Operation	Constraints and values	Status	Support	Additional information
1	1.1	Create support		–		
	1.2	Create with reference object		–		
	1.3	Create with automatic instance naming		–		
	1.4	Delete support		–		
	1.5	Delete only if no contained objects		–		
	1.6	Delete contained objects		–		

**B5 repairActivity**

TABLE B5.1/X.790

**repairActivity Managed object class support**

Index	Managed object class template label	Value of object identifier for the managed object 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	repairActivity	{0 0 24 790 0 3 5}		

TABLE B5.2/X.790

**repairActivity Actual class support**

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

TABLE B5.3/X.790

**repairActivity Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorphism”	o		
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c1		
3	raActivityCodePkg	{0 0 24 790 0 4 17}	“an instance supports it.”	o		
4	raActivityPersonPkg	{0 0 24 790 0 4 16}	“an instance supports it.”	o		
5	raObjectCreationPkg	{0 0 24 790 0 4 18}	“an instance supports it.”	o		
6	repairActivityPkg		Mandatory	m		
7	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		

TABLE B5.4/X.790

**repairActivity Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	activityCode	{0 0 24 790 0 7 3}	CHOICE	–		o	
2	activityInfo	{0 0 24 790 0 7 5}	GraphicString	–		m	
3	activityPerson	{0 0 24 790 0 7 6}	SEQUENCE	–		o	
4	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2: 1992: allomorphs	{2 9 3 2 7 50}	SET OF CHOICE	–		o	
5	entryTime	{0 0 24 790 0 7 39}	GeneralizedTime	–		m	
6	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2: 1992: nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m	
7	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2: 1992: objectClass	{2 9 3 2 7 65}	CHOICE			m	
8	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2: 1992: packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o		c2	
9	repairActivityID	{0 0 24 790 0 7 76}	INTEGER	–		m	

TABLE B5.4/X.790 (continued)

**repairActivity Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	o		–		–	
2	–		–		–	
3	–		–		–	
4	–		–		–	
5	–		–		–	
6	–		–		–	
7	–		–		–	
8	–		–		–	
9	–		–		–	

TABLE B5.4/X.790 (concluded)

**repairActivity Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	–		
2	–		
3	–		
4	–		
5	–		
6	–		
7	–		
8	–		
9	–		

TABLE B5.5/X.790

**repairActivity Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B5.6/X.790

**repairActivity Action support**

(There are no actions specified for this managed object class.)

TABLE B5.7/X.790

**repairActivity Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2: 1992 objectCreation	{2 9 3 2 10 6}		o				1.1
								1.1.1
								1.1.2
								1.1.2.1
								1.1.2.1.1
								1.1.2.1.2
								1.1.2.2
								1.1.3
								1.1.4
								1.1.4.1
								1.1.4.2
								1.1.4.2.1
								1.1.4.2.1.1
								1.1.4.2.1.2
								1.1.4.2.2
								1.1.4.2.3
								1.1.4.2.3.1
								1.1.4.2.3.2
								1.1.5
								1.1.6
1.1.6.1								
1.1.6.2								
1.1.6.3								

TABLE B5.7/X.790 (continued)  
**repairActivity Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	1.1	ObjectInfo		Information Syntax SEQUENCE	o		
	1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
	1.1.2	attributeList	{2 9 3 2 7 9}	SET OF SEQUENCE	c:o		
	1.1.2.1	attributrId	–	CHOICE	c:m		
	1.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.1		
	1.1.2.1.2	localForm	–	INTEGER	c:o.1		
	1.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	1.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
	1.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
	1.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	1.1.4.2	sourceObjectList	–	CHOICE	c:o		
	1.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.2		
	1.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	1.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o		
	1.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.2		
	1.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	1.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
	1.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c: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 B5.8/X.790  
**repairActivity Parameter support**

(There are no parameters specified for this managed object class.)

TABLE B5.9/X.790

**repairActivity Condition support**

Condition number	Condition	Reference
c1	If B5.3/2 then m else –.	“any registered package, other than this package has been instantiated”
c2	If B5.4/8 then m else –.	“any registered package, other than this package has been instantiated”
c:o.1		At least one notification field must be supported
c:o.2		At least one notification field must be supported

TABLE B5.10/X.790

**repairActivity Name Binding support**

Index	Name binding template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information	Subindex
1	repairActivity-telecommunicationsT roubleReport	{0 0 24 790 0 6 15}	Superior class: telecommunicationsT roubleReport	o			1.1
							1.2
							1.3
							1.4
							1.5
							1.6

TABLE B5.10/X.790 (concluded)

**repairActivity Name Binding support**

Index	Subindex	Operation	Constraints and values	Status	Support	Additional information
1	1.1	Create support		–		
	1.2	Create with reference object		–		
	1.3	Create with automatic instance naming		–		
	1.4	Delete support		–		
	1.5	Delete only if no contained objects		–		
	1.6	Delete contained objects		–		



**B6 service**

TABLE B6.1/X.790  
**service Managed object class support**

Index	Managed object class template label	Value of object identifier for the managed object 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	service	{0 0 24 790 0 3 6}		

TABLE B6.2/X.790  
**service Actual class support**

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

TABLE B6.3/X.790  
**service Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	Rec. M.3100:1992: administrativeOperationalStatesPackage	{0 0 13 3100 0 41}	“an instance supports it.”	o		
2	alarmStatusPackage	{0 0 24 790 0 4 21}	“an instance supports it.”	o		
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorphism”	o		
4	Rec. M.3100:1992: attributeValueChangeNotificationPackage	{0 0 13 3100 0 4 4}	“The attribute ValueChange notification defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”	c1		
5	Rec. M.3100:1992: createDeleteNotificationPackage	{0 0 13 3100 0 4 10}	“The objectCreation and objectDeletion notifications defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 are supported by an instance of this class.”	c2		
6	Rec. M.3100:1992: currentProblemListPackage	{0 0 13 3100 0 4 13}	“an instance supports it.”	o		

TABLE B6.3/X.790 (concluded)

**service Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
7	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c3		
8	servicePackage	(Not registered)	Mandatory	m		
9	Rec. M.3100:1992: stateChangeNotificationPackage	{0 0 13 3100 0 4 28}	“The stateChange notification defined in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”	c4		
10	supportedByObjectListPackage	{0 0 24 790 0 4 19}	“an instance supports it.”	o		
11	supportedServiceNameListPackage	{0 0 24 790 0 4 20}	“an instance supports it.”	o		
12	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		
13	usageStatePackage	{0 0 24 790 0 4 22}	“an instance supports it.”	o		

TABLE B6.4/X.790

**service Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: administrativeStates	{2 9 3 2 7 31}	ENUMERATED	o		o	
2	Rec. M.3100:1992: alarmStatus	(Not registered)		–		o	
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphs	{2 9 3 2 7 50}	SET OF CHOICE	–		o	
4	Rec. M.3100:1992: currentProblemList	(0 0 13 3100 0 7 17)	SET OF SEQUENCE	o		o	
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m	
6	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectClass	{2 9 3 2 7 65}	CHOICE	–		m	

TABLE B6.4/X.790 (continued)

service Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
7	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: operationalState	{2 9 3 2 7 35}	ENUMERATED	–		o	
8	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o		c3	
9	serviceID	{0 0 24 790 0 7 85}		m		m	
10	serviceType	{0 0 24 790 0 7 86}	CHOICE	m		m	
11	Rec. M.3100:1992: supportedByObjectList	(Not registered)		o		o	
12	supportedServiceNameList	{0 0 24 790 0 7 87}	ObjectList	o		o	
13	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: usageState	(Not registered)		–		o	

TABLE B6.4/X.790 (continued)

service Attribute support

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	o		–		–	
2	–		–		–	
3	–		–		–	
4	–		–		–	
5	–		–		–	
6	–		–		–	
7	–		–		–	
8	–		–		–	
9	–		–		–	
10	m		–		–	
11	o		o		o	
12	o		o		o	
13	–		–		–	

TABLE B6.4/X.790 (*concluded*)

**service Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	–		
2	–		
3	–		
4	–		
5	–		
6	–		
7	–		
8	–		
9	–		
10	–		
11	–		
12	–		
13	–		

TABLE B6.5/X.790

**service Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B6.6/X.790

**service Action support**

(There are no actions specified for this managed object class.)

TABLE B6.7/X.790  
**service Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: attributeValueChange	{2 9 3 2 10 1}		c1				1.1
								1.1.1
								1.1.2
								1.1.2.1
								1.1.2.2
								1.1.3
								1.1.3.1
								1.1.3.1.1
								1.1.3.1.2
								1.1.3.2
								1.1.3.3
								1.1.4
								1.1.5
								1.1.5.1
								1.1.5.2
								1.1.5.2.1
								1.1.5.2.1.1
								1.1.5.2.1.2
								1.1.5.2.2
								1.1.5.2.3
								1.1.5.2.3.1
								1.1.5.2.3.2
								1.1.6
								1.1.7
								1.1.7.1
								1.1.7.2
								1.1.7.3
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectCreation	{2 9 3 2 10 6}		c2				2.1
								2.1.1
								2.1.2
								2.1.2.1
								2.1.2.1.1
								2.1.2.1.2

TABLE B6.7/X.790 (continued)

service Notification support

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								2.1.2.2
								2.1.3
								2.1.4
								2.1.4.1
								2.1.4.2
								2.1.4.2.1
								2.1.4.2.1.1
								2.1.4.2.1.2
								2.1.4.2.2
								2.1.4.2.3
								2.1.4.2.3.1
								2.1.4.2.3.2
								2.1.5
								2.1.6
								2.1.6.1
								2.1.6.2
								2.1.6.3
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectDeletion	{2 9 3 2 10 7}		c2				3.1
								3.1.1
								3.1.2
								3.1.2.1
								3.1.2.1.1
								3.1.2.1.2
								3.1.2.2
								3.1.3
								3.1.4
								3.1.4.1
								3.1.4.2
								3.1.4.2.1

TABLE B6.7/X.790 (continued)

service Notification support

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								3.1.4.2.1.1
								3.1.4.2.1.2
								3.1.4.2.2
								3.1.4.2.3
								3.1.4.2.3.1
								3.1.4.2.3.2
								3.1.5
								3.1.6
								3.1.6.1
								3.1.6.2
								3.1.6.3
4	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: qualityofServiceAlarm	(Not registered)						
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: stateChange	{2 9 3 2 10 14}		c4				5.1
								5.1.1
								5.1.2
								5.1.2.1
								5.1.2.2
								5.1.3
								5.1.3.1
								5.1.3.1.1
								5.1.3.1.2
								5.1.3.2
								5.1.3.3
								5.1.4
								5.1.5
								5.1.5.1
								5.1.5.2
								5.1.5.2.1
								5.1.5.2.1.1
								5.1.5.2.1.2

TABLE B6.7/X.790 (continued)

**service Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								5.1.5.2.2
								5.1.5.2.3
								5.1.5.2.3.1
								5.1.5.2.3.2
								5.1.6
								5.1.7
								5.1.7.1
								5.1.7.2
								5.1.7.3

TABLE B6.7/X.790 (continued)

**service Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	1.1	AttributeValueChangeInfo		Information Syntax SEQUENCE	c:1		
	1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:0		
	1.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF CHOICE	c:0		
	1.1.2.1	globalForm	–	OBJECT IDENTIFIER	c:o:1		
	1.1.2.2	localForm	–	INTEGER	c:o:1		
	1.1.3	attributeValueChangeDefinition	{2 9 3 2 7 10}	SET OF SEQUENCE	c:m		
	1.1.3.1	attributeID	–	CHOICE	c:m		
	1.1.3.1.1	globalForm	–	OBJECT IDENTIFIER	c:o:2		
	1.1.3.1.2	localForm	–	INTEGER	c:o:2		
	1.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	c:o		
	1.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	c:m		
	1.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
	1.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
	1.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	1.1.5.2	sourceObjectList	–	CHOICE	c:o		
	1.1.5.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o:3		



TABLE B6.7/X.790 (continued)

## service Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	1.1.5.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.1.2	AttributeValue	–	ANY	c:m		
	1.1.5.2.2	nonSpecialForm	–	OCTET STRING	c:o.3		
	1.1.5.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3		
	1.1.5.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.3.2	AttributeValue	–	ANY	c:m		
	1.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
	1.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c:o		
	1.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
	1.1.7.2	significance	–	BOOLEAN	c:o		
	1.1.7.3	information	–	ANY DEFINED By identifier	c:m		
2	2.1	ObjectInfo		Information Syntax SEQUENCE	c2		
	2.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
	2.1.2	attributeList	{2 9 3 2 7 9}	SET OF SEQUENCE	c:o		
	2.1.2.1	attributrId	–	CHOICE	c:m		
	2.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.4		
	2.1.2.1.2	localForm	–	INTEGER	c:o		
	2.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	2.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
	2.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
	2.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	2.1.4.2	sourceObjectList	–	CHOICE	c:o		
	2.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	2.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o		
	2.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	2.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
	2.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c: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 B6.7/X.790 (continued)

service Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
3	3.1	ObjectInfo		Information Syntax SEQUENCE	c2		
	3.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
	3.1.2	attributeList	{2 9 3 2 7 9}	SET OF SEQUENCE	c:o		
	3.1.2.1	attributrId	–	CHOICE	c:m		
	3.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.6		
	3.1.2.1.2	localForm	–	INTEGER	c:o.6		
	3.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	3.1.3	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
	3.1.4	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
	3.1.4.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	3.1.4.2	sourceObjectInst	–	CHOICE	c:o		
	3.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		
	3.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	3.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o		
	3.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		
	3.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	3.1.5	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
	3.1.6	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c: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					m		
5	5.1	StateChangeInfo		Information Syntax SEQUENCE	c4		
	5.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	c:o		
	5.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF CHOICE	c:o		
	5.1.2.1	globalForm	–	OBJECT IDENTIFIER	c:o.8		
	5.1.2.2	localForm	–	INTEGER	c:o.8		

TABLE B6.7/X.790 (concluded)

**service Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	5.1.3	stateChangeDefinition	{2 9 3 2 7 28}	SET OF SEQUENCE	c:m		
	5.1.3.1	attributeID	–	CHOICE	c:m		
	5.1.3.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.9		
	5.1.3.1.2	localForm	–	INTEGER	c:o.9		
	5.1.3.2	oldAttributeValue	–	ANY DEFINED By identifier	c:o		
	5.1.3.3	newAttributeValue	–	ANY DEFINED By identifier	c:m		
	5.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	c:o		
	5.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c:o		
	5.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	5.1.5.2	sourceObjectInst	–	CHOICE	c:o		
	5.1.5.2.1	DistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.10 o		
	5.1.5.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	5.1.5.2.1.2	AttributeValue	–	ANY	c:m		
	5.1.5.2.2	nonSpecificForm	–	OCTET STRING	c:o.10		
	5.1.5.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.10		
	5.1.5.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	5.1.5.2.3.2	AttributeValue	–	ANY	c:m		
	5.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	c:o		
	5.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c: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		

TABLE B6.8/X.790

**service Parameter support**

(There are no parameters specified for this managed object class.)

TABLE B6.9/X.790

**service Condition support**

Condition number	Condition	Reference
c1	If B6.3/4 then m else –.	“an attributeValueChange notification identified in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”
c2	If B6.3/5 then m else –.	“the objectCreation and objectDeletion notifications identified in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”
c3	If B6.3/7 then m else –.	“any registered package, other than this package has been instantiated.”
c4	If B6.3/9 then m else –.	“The stateChange notification identified in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”
c:o.1		At least one notification field must be supported
c:o.2		At least one notification field must be supported
c:o.3		At least one notification field must be supported
c:o.4		At least one notification field must be supported
c:o.5		At least one notification field must be supported
c:o.6		At least one notification field must be supported
c:o.7		At least one notification field must be supported
c:o.8		At least one notification field must be supported
c:o.9		At least one notification field must be supported
c:o.10		At least one notification field must be supported

TABLE B6.10/X.790

**service Name Binding support**

(There are no name bindings specified for this managed object class.)

## B7 telecommunicationsTroubleReport

TABLE B7.1/X.790

### telecommunicationsTroubleReport Managed object class support

Index	Managed object class template label	Value of object identifier for the managed object 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	telecommunicationsTroubleReport	{0 0 24 790 0 3 7}		

TABLE B7.2/X.790

### telecommunicationsTroubleReport Actual class support

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

TABLE B7.3/X.790

### telecommunicationsTroubleReport Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorphy”	o		
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c1		
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		
4	trALocationAccessHoursPkg	{0 0 24 790 0 4 47}	“an instance supports it.”	o		
5	trALocationAccessPersonPkg	{0 0 24 790 0 4 49}	“an instance supports it.”	o		
6	trALocationPkg	{0 0 24 790 0 4 45}	“an instance supports it.”	o		
7	trActivityDurationPkg	{0 0 24 790 0 4 86}	“an instance supports it.”	o		
8	trAfterHrsRepairAuthPkg	{0 0 24 790 0 4 23}	“an instance supports it and trAuthorizationListPkg is not present.”	c2		

TABLE B7.3/X.790 (continued)

**telecommunicationsTroubleReport Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
9	trAgentContactPersonAttributePkg	{0 0 24 790 0 4 87}	“an instance supports it and trAgentContactPersonObjectPkg is not present.”	c3		
10	trAgentContactPersonObjectPkg	{0 0 24 790 0 4 88}	“an instance supports it and trAgentContactPersonAttributePkg is not present.”	c4		
11	trAlarmRecordPtrListPkg	{0 0 24 790 0 4 24}	“an instance supports it.”	o		
12	trAlternateManagerContactPersonAttributePkg	{0 0 24 790 0 4 25}	“an instance supports it and trAlternateManagerContactPersonObjectPkg is not present.”	c5		
13	trAlternateManagerContactPersonObjectPkg	{0 0 24 790 0 4 26}	“an instance supports it and trAlternateManagerContactPersonAttributePkg is not present.”	c6		
14	trAuthorizationListPkg	{0 0 24 790 0 4 27}	“an instance supports it and trAfterHrsRepairAuthPkg is not present.”	c7		
15	trCallBackInfoListPkg	{0 0 24 790 0 4 28}	“an instance supports it.”	o		
16	trCalledNumberPkg	{0 0 24 790 0 4 29}	“an instance supports it.”	o		
17	trCancelRequestedByManagerPkg	{0 0 24 790 0 4 30}	“an instance supports it.”	o		
18	trCloseOutNarrPkg	{0 0 24 790 0 4 89}	“an instance supports it.”	o		
19	trCloseOutVerificationPkg	{0 0 24 790 0 4 31}	“an instance supports it.”	o		
20	trCommitmentTimePkg	{0 0 24 790 0 4 32}	“an instance supports it.”	o		
21	trCommitmentTimeRequestPkg	{0 0 24 790 0 4 33}	“an instance supports it.”	o		
22	trCustTroubleTickNumPkg	{0 0 24 790 0 4 35}	“an instance supports it.”	o		
23	trCustomerWorkCenterPkg	{0 0 24 790 0 4 34}	“an instance supports it.”	o		
24	trDialogPkg	{0 0 24 790 0 4 36}	“an instance supports it.”	o		
25	trEscalationListPkg	{0 0 24 790 0 4 37}	“an instance supports it.”	o		
26	trHandOffCenterPkg	{0 0 24 790 0 4 38}	“an instance supports it.”	o		
27	trHandOffLocationPkg	{0 0 24 790 0 4 39}	“an instance supports it.”	o		
28	trHandOffPersonNamePkg	{0 0 24 790 0 4 40}	“an instance supports it and trHandOffPersonPtrPkg is not present.”	c8		

TABLE B7.3/X.790 (continued)

**telecommunicationsTroubleReport Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
29	trHandOffPersonPtrPkg	{0 0 24 790 0 4 41}	“an instance supports it and trHandOffPersonNamePkg is not present.”	c9		
30	trHandOffTimePkg	{0 0 24 790 0 4 42}	“an instance supports it.”	o		
31	trHistoryEventPkg	{0 0 24 790 0 4 99}	“an instance supports it.”	o		
32	trInitiatingModePkg	{0 0 24 790 0 4 43}	“an instance supports it.”	o		
33	trLastUpdateTimePkg	{0 0 24 790 0 4 44}	“an instance supports it.”	o		
34	trMaintServiceChargePkg	{0 0 24 790 0 4 54}	“an instance supports it.”	o		
35	trMaintenanceOrgContactNamePkg	{0 0 24 790 0 4 51}	“an instance supports it and trMaintenanceOrgContactPtrPkg is not present.”	c10		
36	trMaintenanceOrgContactPtrPkg	{0 0 24 790 0 4 52}	“an instance supports it and trMaintenanceOrgContactNamePkg is not present.”	c11		
37	trMaintenanceOrgContactTimePkg	{0 0 24 790 0 4 53}	“an instance supports it.”	o		
38	trManagedObjectAccessFromTimePkg	{0 0 24 790 0 4 56}	“an instance supports it.”	o		
39	trManagedObjectAccessHoursPkg	{0 0 24 790 0 4 55}	“an instance supports it.”	o		
40	trManagedObjectAccessToTimePkg	{0 0 24 790 0 4 57}	“an instance supports it.”	o		
41	trManagedObjectInstanceAliasListPkg	{0 0 24 790 0 4 90}	“an instance supports it.”	o		
42	trManagerContactPersonAttributePkg	{0 0 24 790 0 4 58}	“an instance supports it and trManagerContactPersonObjectPkg is not present.”	c12		
43	trManagerContactPersonObjectPkg	{0 0 24 790 0 4 59}	“an instance supports it and trManagerContactPersonAttributePkg is not present.”	c13		
44	trManagerSearchKeyListPkg	{0 0 24 790 0 4 61}	“an instance supports it and trManagerSearchKeyPkg is not present.”	c14		
45	trManagerSearchKeyPkg	{0 0 24 790 0 4 60}	“an instance supports it and trManagerSearchKeyListPkg is not present.”	c15		
46	trObjectCreationDeletionPkg	{0 0 24 790 0 4 15}	“an instance supports it.”	o		

TABLE B7.3/X.790 (concluded)

## telecommunicationsTroubleReport Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
47	trOutageDurationPkg	{0 0 24 790 0 4 62}	“an instance supports it.”	o		
48	trPerceivedTroubleSeverityPkg	{0 0 24 790 0 4 63}	“an instance supports it.”	o		
49	trPreferredPriorityPkg	{0 0 24 790 0 4 64}	“an instance supports it.”	o		
50	trRelatedTroubleReportListPkg	{0 0 24 790 0 4 92}	“an instance supports it.”	o		
51	trRepairActivityListPkg	{0 0 24 790 0 4 93}	“an instance supports it and no RepairActivity object is contained in an instance of this object class or its subclasses.”	c16		
52	trRepeatReportPkg	{0 0 24 790 0 4 65}	“an instance supports it.”	o		
53	trResponsiblePersonNamePkg	{0 0 24 790 0 4 66}	“an instance supports it and trResponsiblePersonPtrPkg is not present.”	c17		
54	trResponsiblePersonPtrPkg	{0 0 24 790 0 4 67}	“an instance supports it and trResponsiblePersonNamePkg is not present.”	c18		
55	trRestoredTimePkg	{0 0 24 790 0 4 94}	“an instance supports it.”	o		
56	trSuspectObjectListPkg	{0 0 24 790 0 4 68}	“an instance supports it.”	o		
57	trTroubleClearancePersonAttributePkg	{0 0 24 790 0 4 95}	“an instance supports it.”	o		
58	trTroubleDetectionTimePkg	{0 0 24 790 0 4 69}	“an instance supports it.”	o		
59	trTroubleLocationPkg	{0 0 24 790 0 4 70}	“an instance supports it.”	o		
60	trTroubleReportFormatObjectPtrPkg	{0 0 24 790 0 4 96}	“an instance supports it.”	o		
61	trTroubleReportStatusWindowPkg	{0 0 24 790 0 4 71}	“an instance supports it.”	o		
62	trTspPriorityPkg	{0 0 24 790 0 4 72}	“an instance supports it.”	o		
63	trZLocationAccessHoursPkg	{0 0 24 790 0 4 48}	“an instance supports it.”	o		
64	trZLocationAccessPersonPkg	{0 0 24 790 0 4 50}	“an instance supports it.”	o		
65	trZLocationPkg	{0 0 24 790 0 4 46}	“an instance supports it.”	o		
66	troubleReportPkg		Mandatory	m		
67	x790AttributeValueChangePkg	{0 0 24 790 0 4 97}	“an instance supports it.”	o		
68	x790NumberListPkg	{0 0 24 790 0 4 91}	“an instance supports it.”	o		



TABLE B7.4/X.790

## telecommunicationsTroubleReport Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	aLocationAccessAddress	{0 0 24 790 0 7 50}	SEQUENCE	o		o	
2	aLocationAccessHours	{0 0 24 790 0 7 52}	SET OF SEQUENCE	o		o	
3	aLocationAccessPerson	{0 0 24 790 0 7 54}	SEQUENCE	o		o	
4	activityDuration	{0 0 24 790 0 7 4}	SET OF SEQUENCE	x		o	
5	additionalTroubleInfoList	{0 0 24 790 0 7 8}	SET OF GraphicString	m		m	
6	additionalTroubleStatusInfo	{0 0 24 790 0 7 9}	SET OF GraphicString	o		o	
7	afterHrsRepairAuth	{0 0 24 790 0 7 10}	BOOLEAN	c2		c2	
8	agentContactObjectPtr	{0 0 24 790 0 7 12}	CHOICE	–		c3	
9	agentContactPerson	{0 0 24 790 0 7 11}	SEQUENCE	–		c4	
10	alarmRecordPtrList	{0 0 24 790 0 7 13}	SET OF ObjectInstance	–		o	
11	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphs	{2 9 3 2 7 50}	SET OF CHOICE	–		o	
12	alternateManagerContactObjectPtr	{0 0 24 790 0 7 15}	CHOICE	c6		c6	
13	alternateManagerContactPerson	{0 0 24 790 0 7 14}	SEQUENCE	c5		c5	
14	authorizationList	{0 0 24 790 0 7 18}	SET OF SEQUENCE troubleReportChange Denied	c7		c7	
15	callBackInfoList	{0 0 24 790 0 7 20}	SET OF CHOICE	o		o	
16	calledNumber	{0 0 24 790 0 7 21}	GraphicString	o		o	
17	cancelRequestedByManager	{0 0 24 790 0 7 22}	BOOLEAN troubleReportChange Denied canNotClose	o		o	
18	closeOutNarr	{0 0 24 790 0 7 23}	GraphicString	–		o	
19	closeOutVerification	{0 0 24 790 0 7 33}	ENUMERATED cannotVerifyOrDenyAtThisTime	–		o	
20	commitmentTime	{0 0 24 790 0 7 24}	CHOICE	–		o	
21	commitmentTimeRequest	{0 0 24 790 0 7 25}	CHOICE troubleReportChange Denied	o		o	
22	custTroubleTickNum	{0 0 24 790 0 7 34}	GraphicString SET-BY-CREATE	o		o	
23	customerWorkCenter	{0 0 24 790 0 7 35}	GraphicString SET-BY-CREATE	o		o	
24	dialog	{0 0 24 790 0 7 36}	GraphicString	o		o	

TABLE B7.4/X.790 (continued)

## telecommunicationsTroubleReport Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
25	escalationList	{0 0 24 790 0 7 40}	SET OF SEQUENCE troubleReportChange Denied	o		o	
26	handOffCenter	{0 0 24 790 0 7 42}	GraphicString	–		o	
27	handOffLocation	{0 0 24 790 0 7 43}	GraphicString	–		o	
28	handOffPersonName	{0 0 24 790 0 7 45}	SEQUENCE	–		c8	
29	handOffPersonPtr	{0 0 24 790 0 7 46}	CHOICE	–		c9	
30	handOffTime	{0 0 24 790 0 7 47}	CHOICE	–		o	
31	initiatingMode	{0 0 24 790 0 7 48}	INTEGER	o		o	
32	lastUpdateTime	{0 0 24 790 0 7 49}	GeneralizedTime	–		o	
33	maintServiceCharge	{0 0 24 790 0 7 59}	BOOLEAN	–		o	
34	maintenanceOrgContactName	{0 0 24 790 0 7 56}	SEQUENCE	c10		c10	
35	maintenanceOrgContactPtr	{0 0 24 790 0 7 57}	CHOICE	c11		c11	
36	maintenanceOrgContactTime	{0 0 24 790 0 7 58}	CHOICE	o		o	
37	managedObjectAccessFromTime	{0 0 24 790 0 7 60}	GeneralizedTime	o		o	
38	managedObjectAccessHours	{0 0 24 790 0 7 61}	SET OF SEQUENCE	o		o	
39	managedObjectAccessToTime	{0 0 24 790 0 7 62}	CHOICE	o		o	
40	managedObjectInstance	{0 0 24 790 0 7 63}	ObjectInstance	m		m	
41	managedObjectInstanceAliasList	{0 0 24 790 0 7 64}	SET OF GraphicString	o		o	
42	managerContactObjectPtr	{0 0 24 790 0 7 66}	CHOICE	c13		c13	
43	managerContactPerson	{0 0 24 790 0 7 65}	SEQUENCE	c12		c12	
44	managerSearchKey1	{0 0 24 790 0 7 67}	CHOICE	c15		c15	
45	managerSearchKey2	{0 0 24 790 0 7 68}	CHOICE	c15		c15	
46	managerSearchKey3	{0 0 24 790 0 7 69}	CHOICE	c15		c15	
47	managerSearchKeyList	{0 0 24 790 0 7 70}	SET OF CHOICE	c14		c14	
48	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m	
49	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectClass	{2 9 3 2 7 65}	CHOICE	–		m	

TABLE B7.4/X.790 (continued)

telecommunicationsTroubleReport Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
50	outageDuration	{0 0 24 790 0 7 71}	CHOICE	–		o	
51	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o		c1	
52	perceivedTroubleSeverity	{0 0 24 790 0 7 72}	CHOICE	o		o	
53	preferredPriority	{0 0 24 790 0 7 73}	ENUMERATED	o		o	
54	receivedTime	{0 0 24 790 0 7 74}	GeneralizedTime	m		m	
55	relatedTroubleReportList	{0 0 24 790 0 7 75}	SET OF ObjectInstance	o		o	
56	repairActivityList	{0 0 24 790 0 7 77}	SET OF SEQUENCE	–		c16	
57	repeatReport	{0 0 24 790 0 7 78}	ENUMERATED	o		o	
58	responsiblePersonName	{0 0 24 790 0 7 79}	SEQUENCE	c17		c17	
59	responsiblePersonPtr	{0 0 24 790 0 7 80}	CHOICE	c18		c18	
60	restoredTime	{0 0 24 790 0 7 81}	CHOICE	–		o	
61	suspectObjectList	{0 0 24 790 0 7 88}	SuspectObjectList SET-BY-CREATE	o		o	
62	troubleClearancePerson	{0 0 24 790 0 7 90}	SEQUENCE	–		o	
63	troubleDetectionTime	{0 0 24 790 0 7 91}	CHOICE	o		o	
64	troubleFound	{0 0 24 790 0 7 92}	CHOICE	x		m	
65	troubleLocation	{0 0 24 790 0 7 93}	CHOICE	o		o	
66	troubleReportFormatObjectPtr	{0 0 24 790 0 7 95}	ObjectInstance	–		o	
67	troubleReportID	{0 0 24 790 0 7 97}	GraphicString	m		m	
68	troubleReportNumberList	{0 0 24 790 0 7 100}	SET OF GraphicString	o		o	
69	troubleReportState	{0 0 24 790 0 7 101}	INTEGER	x		m	
70	troubleReportStatus	{0 0 24 790 0 7 102}	CHOICE	x		m	
71	troubleReportStatusTime	{0 0 24 790 0 7 103}	GeneralizedTime	x		m	
72	troubleReportStatusWindow	{0 0 24 790 0 7 104}	SEQUENCE	o		o	
73	troubleType	{0 0 24 790 0 7 105}	CHOICE	m		m	
74	tspPriority	{0 0 24 790 0 7 106}	SET-BY-CREATE	o		o	
75	zLocationAccessAddress	{0 0 24 790 0 7 51}	SEQUENCE	o		o	
76	zLocationAccessHours	{0 0 24 790 0 7 53}	SET OF SEQUENCE	o		o	
77	zLocationAccessPerson	{0 0 24 790 0 7 55}	SEQUENCE	o		o	

TABLE B7.4/X.790 (continued)

**telecommunicationsTroubleReport Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	o		-		-	
2	o		o		o	
3	o		-		-	
4	-		o		-	
5	-		m		-	
6	-		-		-	
7	c2		-		-	
8	-		-		-	
9	-		-		-	
10	-		-		-	
11	-		-		-	
12	c6		-		-	
13	c5		-		-	
14	c		c7		c7	
15	o		o		o	
16	-		-		-	
17	o		-		-	
18	o		-		-	
19	o		-		-	
20	-		-		-	
21	o		-		-	
22	-		-		-	
23	-		-		-	
24	o		-		-	
25	-		o		-	
26	-		-		-	
27	-		-		-	
28	c8		-		-	
29	c9		-		-	
30	-		-		-	
31	-		-		-	
32	-		-		-	
33	-		-		-	
34	c10		-		-	
35	c11		-		-	
36	o		-		-	

TABLE B7.4/X.790 (continued)

**telecommunicationsTroubleReport Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
37	o		-		-	
38	o		o		o	
39	o		-		-	
40	-		-		-	
41	-		-		-	
42	c13		-		-	
43	c12		-		-	
44	c15		-		-	
45	c15		-		-	
46	c15		-		-	
47	c14		c14		c14	
48	-		-		-	
49	-		-		-	
50	-		-		-	
51	-		-		-	
52	o		-		-	
53	o		-		-	
54	-		-		-	
55	-		-		-	
56	-		c16		-	
57	o		-		-	
58	c17		-		-	
59	c18		-		-	
60	o		-		-	
61	-		-		-	
62	o		-		-	
63	o		-		-	
64	m		-		-	
65	o		-		-	
66	-		-		-	
67	-		-		-	
68	-		-		-	
69	m		-		-	
70	m		-		-	
71	-		-		-	
72	o		-		-	

TABLE B7.4/X.790 (continued)

**telecommunicationsTroubleReport Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
73	–		–		–	
74	–		–		–	
75	o		–		–	
76	o		o		o	
77	o		–		–	

TABLE B7.4/X.790 (continued)

**telecommunicationsTroubleReport Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	–		
2	–		
3	–		
4	–		
5	–		
6	–		
7	–		
8	–		
9	–		
10	–		
11	–		
12	–		
13	–		
14	–		
15	–		
16	–		
17	–		
18	–		
19	–		
20	–		
21	–		
22	–		
23	–		
24	–		

TABLE B7.4/X.790 (continued)

**telecommunicationsTroubleReport Attribute support**

Index	Set to default		Additional information
	Status	Support	
25	–		
26	–		
27	–		
28	–		
29	–		
30	–		
31	–		
32	–		
33	–		
34	–		
35	–		
36	–		
37	–		
38	–		
39	–		
40	–		
41	–		
42	–		
43	–		
44	–		
45	–		
46	–		
47	–		
48	–		
49	–		
50	–		
51	–		
52	–		
53	–		
54	–		
55	–		
56	–		
57	–		
58	–		
59	–		
60	–		

TABLE B7.4/X.790 (concluded)

**telecommunicationsTroubleReport Attribute support**

Index	Set to default		Additional information
	Status	Support	
61	–		
62	–		
63	–		
64	–		
65	–		
66	–		
67	–		
68	–		
69	–		
70	–		
71	–		
72	–		
73	–		
74	–		
75	–		
76	–		
77	–		

TABLE B7.5/X.790

**telecommunicationsTroubleReport Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B7.6/X.790

**telecommunicationsTroubleReport Action support**

(There are no actions specified for this managed object class.)



TABLE B7.7/X.790

telecommunicationsTroubleReport Notification support

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: attributeValueChange	{2 9 3 2 10 1}		m				1.1
								1.1.1
								1.1.2
								1.1.2.1
								1.1.2.2
								1.1.3
								1.1.3.1
								1.1.3.1.1
								1.1.3.1.2
								1.1.3.2
								1.1.3.3
								1.1.4
								1.1.5
								1.1.5.1
								1.1.5.2
								1.1.5.2.1
								1.1.5.2.1.1
								1.1.5.2.1.2
								1.1.5.2.2
								1.1.5.2.3
								1.1.5.2.3.1
								1.1.5.2.3.2
								1.1.6
								1.1.7
								1.1.7.1
								1.1.7.2
								1.1.7.3
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectCreation	{2 9 3 2 10 6}		c19				2.1
								2.1.1
								2.1.2
								2.1.2.1
								2.1.2.1.1

TABLE B7.7/X.790 (continued)

**telecommunicationsTroubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								2.1.2.1.2
								2.1.2.2
								2.1.3
								2.1.4
								2.1.4.1
								2.1.4.2
								2.1.4.2.1
								2.1.4.2.1.1
								2.1.4.2.1.2
								2.1.4.2.2
								2.1.4.2.3
								2.1.4.2.3.1
								2.1.4.2.3.2
								2.1.5
								2.1.6
								2.1.6.1
								2.1.6.2
								2.1.6.3
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectDeletion	{2 9 3 2 10 7}		c19				3.1
								3.1.1
								3.1.2
								3.1.2.1
								3.1.2.1.1
								3.1.2.1.2
								3.1.2.2
								3.1.3
								3.1.4
								3.1.4.1
								3.1.4.2
								3.1.4.2.1
								3.1.4.2.1.1
								3.1.4.2.1.2
								3.1.4.2.2

TABLE B7.7/X.790 (continued)

telecommunicationsTroubleReport Notification support

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								3.1.4.2.3
								3.1.4.2.3.1
								3.1.4.2.3.2
								3.1.5
								3.1.6
								3.1.6.1
								3.1.6.2
								3.1.6.3
4	troubleHistoryEvent Notification	{0 0 24 790 0 10 1}		o				4.1
								4.1.1
								4.1.2
								4.1.3
								4.1.3.1
								4.1.3.2
								4.1.4
								4.1.4.1
								4.1.4.1.1
								4.1.4.1.2
								4.1.4.1.3
								4.1.4.1.4
								4.1.4.1.5
								4.1.4.2
								4.1.4.3
								4.1.5
								4.1.6
								4.1.6.1
								4.1.6.2
								4.1.6.3
								4.1.6.4
								4.1.6.4.1
								4.1.6.4.2
								4.1.6.4.3
								4.1.6.4.4
								4.1.6.4.4.1
								4.1.6.4.4.2

TABLE B7.7/X.790 (continued)

**telecommunicationsTroubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								4.1.6.4.4.3
								4.1.6.4.4.4
								4.1.6.4.5
								4.1.6.4.6
								4.1.6.4.7
								4.1.7
								4.1.8
								4.1.9
								4.1.10
								4.1.10.1
								4.1.10.2
								4.1.11
								4.1.12
								4.1.12.1
								4.1.12.2
								4.1.13
								4.1.14
								4.1.14.1
								4.1.14.2
								4.1.14.3
								4.1.14.4
								4.1.14.4.1
								4.1.14.4.2
								4.1.14.4.3
								4.1.14.4.4
								4.1.14.5
								4.1.14.6
								4.1.14.7
								4.1.15
								4.1.16
								4.1.16.1
								4.1.16.2
5	troubleReportProgressNotification	{0 0 24 790 0 10 2}		o				5.1
								5.1.1
								5.1.1.1
								5.1.1.2
								5.1.2

TABLE B7.7/X.790 (continued)

## telecommunicationsTroubleReport Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	1.1	AttributeValueChangeInfo		Information Syntax SEQUENCE	m		
	1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	0		
	1.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF CHOICE	0		
	1.1.2.1	globalForm	–	OBJECT IDENTIFIER	c:o.1		
	1.1.2.2	localForm	–	INTEGER	c:o.1		
	1.1.3	attributeValueChangeDefinition	{2 9 3 2 7 10}	SET OF SEQUENCE	m		
	1.1.3.1	attributeID	–	CHOICE	c:m		
	1.1.3.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.2		
	1.1.3.1.2	localForm	–	INTEGER	c:o.2		
	1.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	o		
	1.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	m		
	1.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
	1.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
	1.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	1.1.5.2	sourceObjectList	–	CHOICE	c:o		
	1.1.5.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3		
	1.1.5.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.1.2	AttributeValue	–	ANY	c:m		
	1.1.5.2.2	nonSpecialForm	–	OCTET STRING	c:o.3		
	1.1.5.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3		
	1.1.5.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.3.2	AttributeValue	–	ANY	c:m		
	1.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		
	1.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
	1.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
	1.1.7.2	significance	–	BOOLEAN	c:o		
	1.1.7.3	information	–	ANY DEFINED By identifier	c:m		
2	2.1	ObjectInfo		Information Syntax 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 SEQUENCE	o		
	2.1.2.1	attributrId	–	CHOICE	c:m		

TABLE B7.7/X.790 (continued)

## telecommunicationsTroubleReport Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	2.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.4		
	2.1.2.1.2	localForm	–	INTEGER	c:o.4		
	2.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	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	sourceObjectList	–	CHOICE	c:o		
	2.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	2.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o.5		
	2.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	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	3.1	ObjectInfo		Information Syntax 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 SEQUENCE	o		
	3.1.2.1	attributrId	–	CHOICE	c:m		
	3.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.6		
	3.1.2.1.2	localForm	–	INTEGER	c:o.6		
	3.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	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	–	CHOICE	c:o		
	3.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		

TABLE B7.7/X.790 (continued)

**telecommunicationsTroubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	3.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	3.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o		
	3.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		
	3.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	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	4.1	TroubleHistoryInfo		Information Syntax SEQUENCE	o		
	4.1.1	managedObjectInstance	–	ObjectInstance	c:m		
	4.1.2	receivedTime	–	GeneralizedTime	c:m		
	4.1.3	troubleFound	–	CHOICE	c:m		
	4.1.3.1	number	–	INTEGER	c:o.8		
	4.1.3.2	identifier	–	OBJECT IDENTIFIER	c:o.8		
	4.1.4	activityDuration	–	SET OF SEQUENCE	c:o		
	4.1.4.1	duration	–	SEQUENCE	c:m		
	4.1.4.1.1	day	–	INTEGER	c:o		
	4.1.4.1.2	hour	–	INTEGER	c:o		
	4.1.4.1.3	minute	–	INTEGER	c:o		
	4.1.4.1.4	second	–	INTEGER	c:o		
	4.1.4.1.5	msec	–	INTEGER	c:o		
	4.1.4.2	billable	–	BOOLEAN	c:o		
	4.1.4.3	type	–	BIT STRING	c:o		
	4.1.5	additionalTroubleInfoList	–	SET OF GraphicString	c:o		
	4.1.6	authorizationList	–	SET OF SEQUENCE	c:o		
	4.1.6.1	state	–	ENUMERATED	c:m		
	4.1.6.2	type	–	BIT STRING	c:m		
	4.1.6.3	authTime	–	GeneralizedTime	c:o		
	4.1.6.4	authPerson	–	SEQUENCE	c:o		

TABLE B7.7/X.790 (continued)

**telecommunicationsTroubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	4.1.6.4.1	number	–	GraphicString	c:o		
	4.1.6.4.2	name	–	GraphicString	c:o		
	4.1.6.4.3	phone	–	GraphicString	c:o		
	4.1.6.4.4	loc	–	SEQUENCE	c:o		
	4.1.6.4.4.1	civicAddress	–	GraphicString	c:m		
	4.1.6.4.4.2	city	–	GraphicString	c:m		
	4.1.6.4.4.3	state	–	GraphicString	c:m		
	4.1.6.4.4.4	zip	–	GraphicString	c:m		
	4.1.6.4.5	email	–	GraphicString	c:o		
	4.1.6.4.6	fax	–	GraphicString	c:o		
	4.1.6.4.7	respon	–	GraphicString	c:o		
	4.1.7	cancelRequestedByMa nager	–	BOOLEAN	c:o		
	4.1.8	closeOutNarr	–	GraphicString	c:o		
	4.1.9	closeOutVerification	–	ENUMERATED	c:o		
	4.1.10	commitmentTime	–	CHOICE	c:o		
	4.1.10.1	onsiteTime	–	GeneralizedTime	c:o.9		
	4.1.10.2	clearedTime	–	GeneralizedTime	c:o.9		
	4.1.11	custTroubleTickNum	–	GraphicString	c:o		
	4.1.12	perceivedTroubleSever ity	–	CHOICE	c:o		
	4.1.12.1	number	–	INTEGER	c:o.10		
	4.1.12.2	identifier	–	OBJECT IDENTIFIER	c:o.10		
	4.1.13	restoredTime	–	GeneralizedTime	c:o		
	4.1.14	troubleClearancePers on	–	SEQUENCE	c:o		
	4.1.14.1	number	–	GraphicString	c:o		
	4.1.14.2	name	–	GraphicString	c:o		
	4.1.14.3	phone	–	GraphicString	c:o		
	4.1.14.4	loc	–	SEQUENCE	c:o		
	4.1.14.4.1	civicAddress	–	GraphicString	c:m		
	4.1.14.4.2	city	–	GraphicString	c:m		
	4.1.14.4.3	state	–	GraphicString	c:m		
	4.1.14.4.4	zip	–	GraphicString	c:m		
	4.1.14.5	email	–	GraphicString	c:o		
	4.1.14.6	fax	–	GraphicString	c:o		
	4.1.14.7	respon	–	GraphicString	c:o		



TABLE B7.7/X.790 (concluded)

**telecommunicationsTroubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	4.1.15	troubleReportNumberList	–	SET OF GraphicString	c:o		
	4.1.16	troubleType	–	CHOICE	c:o		
	4.1.16.1	number	–	INTEGER	c:o.11		
	4.1.16.2	identifier	–	OBJECT IDENTIFIER	c:o.11		
5	5.1	TroubleProgressInfo		Information Syntax SEQUENCE	o		
	5.1.1	troubleReportStatus	–	CHOICE	c:m		
	5.1.1.1	number	–	INTEGER	c:o.12		
	5.1.1.2	identifier	–	OBJECT IDENTIFIER	c:o.12		
	5.1.2	additionalTroubleStatusInfo	–	SET OF GraphicString	c:o		

TABLE B7.8/X.790

**service Parameter support**

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	troubleReportChange Denied	{0 0 24 790 0 5 6}	SPECIFIC-ERROR			
			authorizationList	c7		
2	troubleReportChange Denied	{0 0 24 790 0 5 6}	SPECIFIC-ERROR			
			cancelRequestedByManager	o		
3	canNotClose	{0 0 24 790 0 5 3}	SPECIFIC-ERROR			
			cancelRequestedByManager	o		
4	cannotVerifyOrDeny AtThisTime	{0 0 24 790 0 5 5}	SPECIFIC-ERROR			
			closeOutVerification	o		
5	troubleReportChange Denied	{0 0 24 790 0 5 6}	SPECIFIC-ERROR			
			commitmentTimeRequest	o		
6	SET-BY-CREATE	(Not registered)				
6	troubleReportChange Denied	{0 0 24 790 0 5 6}	SPECIFIC-ERROR			
			escalationList	o		
7	SET-BY-CREATE	(Not registered)				
7	SET-BY-CREATE	(Not registered)	END PARAMETERS			

TABLE B7.9/X.790

**telecommunicationsTroubleReport Conditions**

Condition number	Condition	Reference
c1	If B7.3/2 then m else –.	“any registered package, other than this package has been instantiated”
c2	If B7.3/8 then m else –.	“an instance supports it and trAuthorizationListPkg is not present.”
c3	If B7.3/9 then m else –.	“an instance supports it and trAgentContactPersonObjectPkg is not present.”
c4	If B7.3/10 then m else –.	“an instance supports it and trAgentContactPersonAttributePkg is not present.”
c5	If B7.3/12 then m else –.	“an instance supports it and trAlternateManagerContactPersonObjectPkg is not present.”
c6	If B7.3/13 then m else –.	“an instance supports it and trAlternateManagerContactPersonAttributePkg is not present.”
c7	If B7.3/14 then m else –.	“an instance supports it and trAfterHrsRepairAuthPkg is not present.”
c8	If B7.3/28 then m else –.	“an instance supports it and trHandOffPersonPtrPkg is not present.”
c9	If B7.3/29 then m else –.	“an instance supports it and trHandOffPersonNamePkg is not present.”
c10	If B7.3/35 then m else –.	“an instance supports it and trMaintenanceOrgContactPtrPkg is not present.”
c11	If B7.3/36 then m else –.	“an instance supports it and trMaintenanceOrgContactNamePkg is not present.”
c12	If B7.3/42 then m else –.	“an instance supports it and trManagerContactPersonObjectPkg is not present.”
c13	If B7.3/43 then m else –.	“an instance supports it and trManagerContactPersonAttributePkg is not present.”
c14	If B7.3/44 then m else –.	“an instance supports it and trManagerSearchKeyPkg is not present.”
c15	If B7.3/45 then m else –.	“an instance supports it and trManagerSearchKeyListPkg is not present.”
c16	If B7.3/51 then m else –.	“an instance supports it and no RepairActivity object is contained in an instance of this object class or its subclasses.”
c17	If B7.3/53 then m else –.	“an instance supports it and trResponsiblePersonPtrPkg is not present.”
c18	If B7.3/54 then m else –.	“an instance supports it and trResponsiblePersonNamePkg is not present.”
c19	If B7.7/29 then m else –.	“the objectCreation and objectDeletion notifications identified in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”
c:o.1		At least one notification field must be supported
c:o.2		At least one notification field must be supported
c:o.3		At least one notification field must be supported
c:o.4		At least one notification field must be supported
c:o.5		At least one notification field must be supported
c:o.6		At least one notification field must be supported
c:o.7		At least one notification field must be supported
c:o.8		At least one notification field must be supported
c:o.9		At least one notification field must be supported
c:o.10		At least one notification field must be supported
c:o.11		At least one notification field must be supported
c:o.12		At least one notification field must be supported
c:o.13		At least one name binding must be supported and if a functional unit requires a particular namebinding then that must be supported

TABLE B7.10/X.790

**telecommunicationsTroubleReport Name Binding support**

Index	Name binding template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information	Subindex
1	telecommunicationsTroubleReport-account	{0 0 24 790 0 6 9}	Superior class: account	o			1.1
							1.2
							1.3
							1.4
							1.5
							1.6
2	telecommunicationsTroubleReport-cnmService	{0 0 24 790 0 6 10}	Superior class: cnmService	c:o.1			2.1
							2.2
							2.3
							2.4
							2.5
							2.6
3	telecommunicationsTroubleReport-network	{0 0 24 790 0 6 11}	Superior class: Rec. M.3100:1992: network AND SUBCLASSES	c:o.13			3.1
							3.2
							3.3
							3.4
							3.5
							3.6
4	telecommunicationsTroubleReport-system	{0 0 24 790 0 6 12}	Superior class: CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: system	c:o.13			4.1
							4.2
							4.3
							4.4
							4.5
							4.6

TABLE B7.10/X.790 (concluded)

**telecommunicationsTroubleReport Name Binding support**

Index	Subindex	Operation	Constraints and values	Status	Support	Additional information
1	1.1	Create support		c:m		
	1.2	Create with reference object		c:m		
	1.3	Create with automatic instance naming		c:m		
	1.4	Delete support		–		
	1.5	Delete only if no contained objects		–		
	1.6	Delete contained objects		–		
2	2.1	Create support		c:m		
	2.2	Create with reference object		c:m		
	2.3	Create with automatic instance naming		c:m		
	2.4	Delete support		–		
	2.5	Delete only if no contained objects		–		
	2.6	Delete contained objects		–		
3	3.1	Create support		c:m		
	3.2	Create with reference object		c:m		
	3.3	Create with automatic instance naming		c:m		
	3.4	Delete support		–		
	3.5	Delete only if no contained objects		–		
	3.6	Delete contained objects		–		
4	4.1	Create support		c:m		
	4.2	Create with reference object		c:m		
	4.3	Create with automatic instance naming		c:m		
	4.4	Delete support		–		
	4.5	Delete only if no contained objects		–		
	4.6	Delete contained objects		–		

## B8 troubleHistoryRecord

TABLE B8.1/X.790

### troubleHistoryRecord Managed object class support

Index	Managed object class template label	Value of object identifier for the managed object 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	troubleHistoryRecord	{0 0 24 790 0 3 8}		

TABLE B8.2/X.790

### troubleHistoryRecord Actual class support

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

TABLE B8.3/X.790

### troubleHistoryRecord Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: additionalInformationPackage	{2 9 3 2 4 18}	“The Additional Information Parameter is present in the notification or report corresponding to the instance of event record or and instance of its subclasses”	c1		
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: additionalTextPackage	{2 9 3 2 4 19}	“The Additional text Parameter is present in the notification or report corresponding to the instance of event record or and instance of its subclasses”	c2		
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorphyism”	o		
4	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: correlatedNotificationPackage	{2 9 3 2 4 23}	“The correlatedNotification Parameter is present in the notification or event report corresponding to the instance of an event record or and instance of its subclasses”	c3		

TABLE B8.3/X.790 (concluded)

**troubleHistoryRecord Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: logRecordPackage		Mandatory	m		
6	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: eventTimePackage	{2 9 3 2 4 11}	“The EventTime Parameter was present in the received event report”	c4		
7	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: eventLogRecordPackage		Mandatory	m		
8	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: notificationIdentifierPackage	{2 9 3 2 4 24}	“The notification Identifier Parameter is present in the notification or event report corresponding to the instance of an event record or and instance of its subclasses”	c5		
9	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c6		
10	thrActivityDurationPkg	{0 0 24 790 0 4 73}	“an instance supports it.”	o		
11	thrAdditionalTroubleInfoListPkg	{0 0 24 790 0 4 74}	“an instance supports it.”	o		
12	thrAuthorizationPkg	{0 0 24 790 0 4 75}	“an instance supports it.”	o		
13	thrCancelRequestedByManagerPkg	{0 0 24 790 0 4 76}	“an instance supports it.”	o		
14	thrCloseOutNarrPkg	{0 0 24 790 0 4 77}	“an instance supports it.”	o		
15	thrCloseOutVerificationPkg	{0 0 24 790 0 4 78}	“an instance supports it.”	o		
16	thrCommitmentTimePkg	{0 0 24 790 0 4 79}	“an instance supports it.”	o		
17	thrCustTroubleTickNumPkg	{0 0 24 790 0 4 80}	“an instance supports it.”	o		
18	thrPerceivedTroubleSeverityPkg	{0 0 24 790 0 4 81}	“an instance supports it.”	o		
19	thrRestoredTimePkg	{0 0 24 790 0 4 82}	“an instance supports it.”	o		
20	thrTroubleClearancePersonPkg	{0 0 24 790 0 4 83}	“an instance supports it.”	o		
21	thrTroubleReportNumberListPkg	{0 0 24 790 0 4 84}	“an instance supports it.”	o		
22	thrTroubleTypePkg	{0 0 24 790 0 4 85}	“an instance supports it.”	o		
23	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		
24	troubleHistoryRecordPkg		Mandatory	m		

TABLE B8.4/X.790

**troubleHistoryRecord Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	activityDuration	{0 0 24 790 0 7 4}	ActivityDuration	–		o	
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	c1		c1	
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: additionalText	{2 9 3 2 7 7}	GraphicString	c2		c2	
4	additionalTroubleInfo List	{0 0 24 790 0 7 8}	SET OF GraphicString	–		o	
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphs	{2 9 3 2 7 50}	SET OF CHOICE	–		o	
6	authorizationList	{0 0 24 790 0 7 18}	SET OF SEQUENCE	–		o	
7	cancelRequestedByManager	{0 0 24 790 0 7 22}	BOOLEAN	–		o	
8	closeOutNarr	{0 0 24 790 0 7 23}	GraphicString	–		o	
9	closeOutVerification	{0 0 24 790 0 7 33}	ENUMERATED	–		o	
10	commitmentTime	{0 0 24 790 0 7 24}	CHOICE	–		o	
11	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	c3		c3	
12	custTroubleTickNum	{0 0 24 790 0 7 34}	GraphicString	–		o	
13	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: eventTime	{2 9 3 2 7 13}	GeneralizedTime	–		m	
14	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: eventType	{2 9 3 2 7 14}	CHOICE	–		m	
15	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: logRecordId	{2 9 3 2 7 3}	CHOICE	–		m	
16	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: loggingTime	{2 9 3 2 7 59}	GeneralizedTime	–		m	
17	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: managedObjectClass	{2 9 3 2 7 60}	CHOICE	–		m	
18	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: managedObjectInstance	{2 9 3 2 7 61}	CHOICE	–		m	

TABLE B8.4/X.790 (continued)  
**troubleHistoryRecord Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
19	managedObjectInstance	{0 0 24 790 0 7 63}	ObjectInstance SET-BY-CREATE	–		m	
20	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m	
21	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: notificationIdentifier	{0 0 24 790 0 7 16}	Integer	c5		c5	
22	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectClass	{2 9 3 2 7 65}	CHOICE	–		m	
23	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o		c6	
24	perceivedTroubleSeverity	{0 0 24 790 0 7 72}	CHOICE	–		o	
25	receivedTime	{0 0 24 790 0 7 74}	GeneralizedTime	–		m	
26	restoredTime	{0 0 24 790 0 7 81}	CHOICE	–		o	
27	troubleClearancePerson	{0 0 24 790 0 7 90}	SEQUENCE	–		o	
28	troubleFound	{0 0 24 790 0 7 92}	CHOICE	–		m	
29	troubleReportNumberList	{0 0 24 790 0 7 100}	SET OF GraphicString	–		o	
30	troubleType	{0 0 24 790 0 7 105}	CHOICE SET-BY-CREATE	–		o	

TABLE B8.4/X.790 (continued)  
**troubleHistoryRecord Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	–		–		–	
2	–		–		–	
3	–		–		–	
4	–		–		–	
5	–		–		–	
6	–		–		–	
7	–		–		–	



TABLE B8.4/X.790 (continued)  
**troubleHistoryRecord Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
8	-		-		-	
9	-		-		-	
10	-		-		-	
11	-		-		-	
12	-		-		-	
13	-		-		-	
14	-		-		-	
15	-		-		-	
16	-		-		-	
17	-		-		-	
18	-		-		-	
19	-		-		-	
20	-		-		-	
21	-		-		-	
22	-		-		-	
23	-		-		-	
24	-		-		-	
25	-		-		-	
26	-		-		-	
27	-		-		-	
28	-		-		-	
29	-		-		-	
30	-		-		-	

TABLE B8.4/X.790 (continued)  
**troubleHistoryRecord Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	-		
2	-		
3	-		
4	-		
5	-		
6	-		
7	-		

TABLE B8.4/X.790 (concluded)  
**troubleHistoryRecord Attribute support**

Index	Set to default		Additional information
	Status	Support	
8	–		
9	–		
10	–		
11	–		
12	–		
13	–		
14	–		
15	–		
16	–		
17	–		
18	–		
19	–		
20	–		
21	–		
22	–		
23	–		
24	–		
25	–		
26	–		
27	–		
28	–		
29	–		
30	–		

TABLE B8.5/X.790  
**troubleHistoryRecord Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B8.6/X.790  
**troubleHistoryRecord Action support**

(There are no actions specified for this managed object class.)

TABLE B8.7/X.790

**troubleHistoryRecord Notification support**

(There are no notifications specified for this managed object class.)

TABLE B8.8/X.790

**troubleHistoryRecord Parameter support**

(There are no parameters specified for this managed object class.)

TABLE B8.9/X.790

**troubleHistoryRecord Condition support**

Condition number	Condition	Reference
c1	If B8.3/1 then m else –.	“The Additional Information Parameter is present in the notification or report corresponding to the instance of event record or and instance of its subclasses”
c2	If B8.3/2 then m else –.	“The Additional Text Parameter is present in the notification or report corresponding to the instance of event record or and instance of its subclasses”
c3	If B8.3/4 then m else –.	“The correlatedNotification Parameter is present in the notification or event report corresponding to the instance of an event record or and instance of its subclasses”
c4	If B8.3/6 then m else –.	“The Event Time Parameter was present in the received event report”
c5	If B8.3/8 then m else –.	“The Notification Identifier Parameter is present in the notification or event report corresponding to the instance of an event record or and instance of its subclasses”
c6	If B8.3/9 then m else –.	“any registered package other than this has been instantiated”

TABLE B8.10/X.790

**troubleHistoryRecord Name Binding support**

Index	Name binding template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information	Subindex
1	troubleHistoryRecord-log	{0 0 24 790 0 6 16}	Superior class: CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: log	o			1.1
							1.2
							1.3
							1.4
							1.5
							1.6

TABLE B8.10/X.790 (concluded)

**troubleHistoryRecord Name Binding support**

Index	Subindex	Operation	Constraints and values	Status	Support	Additional information
1	1.1	Create support		–		
	1.2	Create with reference object		–		
	1.3	Create with automatic instance naming		–		
	1.4	Delete support		c:m		
	1.5	Delete only if no contained objects		–		
	1.6	Delete contained objects		–		

**B9 troubleReport**

TABLE B9.1/X.790

**troubleReport Managed object class support**

Index	Managed object class template label	Value of object identifier for the managed object 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	troubleReport	{0 0 24 790 0 3 9}		

TABLE B9.2/X.790

**troubleReport Actual class support**

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

TABLE B9.3/X.790

**troubleReport Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorphy”	o		
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c1		
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		
4	trActivityDurationPkg	{0 0 24 790 0 4 86}	“an instance supports it.”	o		
5	trAgentContactPersonAttributePkg	{0 0 24 790 0 4 87}	“an instance supports it and trAgentContactPersonObjectPkg is not present.”	c2		
6	trAgentContactPersonObjectPkg	{0 0 24 790 0 4 88}	“an instance supports it and trAgentContactPersonAttributePkg is not present.”	c3		
7	trCloseOutNarrPkg	{0 0 24 790 0 4 89}	“an instance supports it.”	o		
8	trHistoryEventPkg	{0 0 24 790 0 4 99}	“an instance supports it.”	o		
9	trManagedObjectInstanceAliasListPkg	{0 0 24 790 0 4 90}	“an instance supports it.”	o		
10	trObjectCreationDeletionPkg	{0 0 24 790 0 4 15}	“an instance supports it.”	o		
11	trRelatedTroubleReportListPkg	{0 0 24 790 0 4 92}	“an instance supports it.”	o		
12	trRepairActivityListPkg	{0 0 24 790 0 4 93}	“an instance supports it and no RepairActivity object is contained in an instance of this object class or its subclasses.”	c4		
13	trRestoredTimePkg	{0 0 24 790 0 4 94}	“an instance supports it.”	o		
14	trTroubleClearancePersonAttributePkg	{0 0 24 790 0 4 95}	“an instance supports it.”	o		
15	trTroubleReportFormatObjectPtrPkg	{0 0 24 790 0 4 96}	“an instance supports it.”	o		
16	troubleReportPkg		Mandatory	m		
17	x790AttributeValueChangePkg	{0 0 24 790 0 4 97}	“an instance supports it.”	o		
18	x790NumberListPkg	{0 0 24 790 0 4 91}	“an instance supports it.”	o		

TABLE B9.4/X.790

**troubleReport Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	activityDuration	{0 0 24 790 0 7 4}	SET OF SEQUENCE	–		o	
2	additionalTroubleInfo List	{0 0 24 790 0 7 8}	SET OF GraphicString	m		m	
3	agentContactObjectPtr	{0 0 24 790 0 7 12}	CHOICE	–		c3	
4	agentContactPerson	{0 0 24 790 0 7 11}	SEQUENCE	–		c2	
5	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphs	{2 9 3 2 7 50}	SET OF CHOICE	–		o	
6	closeOutNarr	{0 0 24 790 0 7 23}	GraphicString	–		o	
7	managedObjectInstance	{0 0 24 790 0 7 63}	ObjectInstance	m		m	
8	managedObjectInstanceAliasList	{0 0 24 790 0 7 64}	SET OF GraphicString	o		o	
9	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: nameBinding	{2 9 3 2 7 63}	OBJECT IDENTIFIER	o		m	
10	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectClass	{2 9 3 2 7 65}	CHOICE	–		m	
11	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packages	{2 9 3 2 7 66}	SET OF OBJECT IDENTIFIER	o		c1	
12	receivedTime	{0 0 24 790 0 7 74}	GeneralizedTime	m		m	
13	relatedTroubleReport List	{0 0 24 790 0 7 75}	SET OF ObjectInstance	o		o	
14	repairActivityList	{0 0 24 790 0 7 77}	SET OF SEQUENCE	–		c4	
15	restoredTime	{0 0 24 790 0 7 81}	CHOICE	–		o	
16	troubleClearancePerson	{0 0 24 790 0 7 90}	SEQUENCE	–		o	
17	troubleFound	{0 0 24 790 0 7 92}	CHOICE	x		m	
18	troubleReportFormatObjectPtr	{0 0 24 790 0 7 95}	ObjectInstance	o		o	
19	troubleReportID	{0 0 24 790 0 7 97}	GraphicString	m		m	
20	troubleReportNumber List	{0 0 24 790 0 7 100}	SET OF GraphicString	o		o	
21	troubleReportState	{0 0 24 790 0 7 101}	INTEGER	–		m	
22	troubleReportStatus	{0 0 24 790 0 7 102}	CHOICE	–		m	
23	troubleReportStatusTime	{0 0 24 790 0 7 103}	GeneralizedTime	m		m	
24	troubleType	{0 0 24 790 0 7 105}	CHOICE	m		m	

TABLE B9.4/X.790 (continued)

**troubleReport Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	-		o		-	
2	-		m		-	
3	c3		-		-	
4	c2		-		-	
5	-		-		-	
6	o		-		-	
7	-		-		-	
8	-		-		-	
9	-		-		-	
10	-		-		-	
11	-		-		-	
12	-		-		-	
13	-		-		-	
14	-		c4		-	
15	o		-		-	
16	o		-		-	
17	m		-		-	
18	-		-		-	
19	-		-		-	
20	-		-		-	
21	m		-		-	
22	m		-		-	
23	-		-		-	
24	-		-		-	

TABLE B9.4/X.790 (concluded)

**troubleReport Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	–		
2	–		
3	–		
4	–		
5	–		
6	–		
7	–		
8	–		
9	–		
10	–		
11	–		
12	–		
13	–		
14	–		
15	–		
16	–		
17	–		
18	–		
19	–		
20	–		
21	–		
22	–		
23	–		
24	–		

TABLE B9.5/X.790

**troubleReport Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B9.6/X.790

**troubleReport Action support**

(There are no actions specified for this managed object class.)



TABLE B9.7/X.790

**troubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: attributeValueChange	{2 9 3 2 10 1}		m				1.1
								1.1.1
								1.1.2
								1.1.2.1
								1.1.2.2
								1.1.3
								1.1.3.1
								1.1.3.1.1
								1.1.3.1.2
								1.1.3.2
								1.1.3.3
								1.1.4
								1.1.5
								1.1.5.1
								1.1.5.2
								1.1.5.2.1
								1.1.5.2.1.1
								1.1.5.2.1.2
								1.1.5.2.2
								1.1.5.2.3
								1.1.5.2.3.1
								1.1.5.2.3.2
								1.1.6
								1.1.7
								1.1.7.1
								1.1.7.2
								1.1.7.3
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectCreation	{2 9 3 2 10 6}		c5				2.1
								2.1.1
								2.1.2
								2.1.2.1
								2.1.2.1.1
								2.1.2.1.2

TABLE B9.7/X.790 (continued)  
**troubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con-firmed	Non-con-firmed		
								2.1.2.2
								2.1.3
								2.1.4
								2.1.4.1
								2.1.4.2
								2.1.4.2.1
								2.1.4.2.1.1
								2.1.4.2.1.2
								2.1.4.2.2
								2.1.4.2.3
								2.1.4.2.3.1
								2.1.4.2.3.2
								2.1.5
								2.1.6
								2.1.6.1
								2.1.6.2
								2.1.6.3
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectDeletion	{2 9 3 2 10 7}		c5				3.1
								3.1.1
								3.1.2
								3.1.2.1
								3.1.2.1.1
								3.1.2.1.2
								3.1.2.2
								3.1.3
								3.1.4
								3.1.4.1
								3.1.4.2
								3.1.4.2.1
								3.1.4.2.1.1
								3.1.4.2.1.2
								3.1.4.2.2
								3.1.4.2.3
								3.1.4.2.3.1
								3.1.4.2.3.2

TABLE B9.7/X.790 (continued)  
**troubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								3.1.5
								3.1.6
								3.1.6.1
								3.1.6.2
								3.1.6.3
4	troubleHistoryEvent Notification	{0 0 24 790 0 10 1}		o				4.1
								4.1.1
								4.1.2
								4.1.3
								4.1.3.1
								4.1.3.2
								4.1.4
								4.1.4.1
								4.1.4.1.1
								4.1.4.1.2
								4.1.4.1.3
								4.1.4.1.4
								4.1.4.1.5
								4.1.4.2
								4.1.4.3
								4.1.5
								4.1.6
								4.1.6.1
								4.1.6.2
								4.1.6.3
								4.1.6.4
								4.1.6.4.1
								4.1.6.4.2
								4.1.6.4.3
								4.1.6.4.4
								4.1.6.4.4.1
								4.1.6.4.4.2
								4.1.6.4.4.3
								4.1.6.4.4.4
								4.1.6.4.5

TABLE B9.7/X.790 (continued)  
**troubleReport Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								4.1.6.4.6
								4.1.6.4.7
								4.1.7
								4.1.8
								4.1.9
								4.1.10
								4.1.10.1
								4.1.10.2
								4.1.11
								4.1.12
								4.1.12.1
								4.1.12.2
								4.1.13
								4.1.14
								4.1.14.1
								4.1.14.2
								4.1.14.3
								4.1.14.4
								4.1.14.4.1
								4.1.14.4.2
								4.1.14.4.3
								4.1.14.4.4
								4.1.14.5
								4.1.14.6
								4.1.14.7
								4.1.15
								4.1.16
								4.1.16.1
								4.1.16.2
5	troubleReportProgressNotification	{0 0 24 790 0 10 2}		o				5.1
								5.1.1
								5.1.1.1
								5.1.1.2
								5.1.2

TABLE B9.7/X.790 (continued)

**troubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	1.1	AttributeValueChangeInfo		Information Syntax SEQUENCE	m		
	1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	0		
	1.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF CHOICE	0		
	1.1.2.1	globalForm	–	OBJECT IDENTIFIER	c:o.1		
	1.1.2.2	localForm	–	INTEGER	c:o.1		
	1.1.3	attributeValueChangeDefinition	{2 9 3 2 7 10}	SET OF SEQUENCE	m		
	1.1.3.1	attributeID	–	CHOICE	c:m		
	1.1.3.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.2		
	1.1.3.1.2	localForm	–	INTEGER	c:o.2		
	1.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	o		
	1.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	m		
	1.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
	1.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
	1.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	1.1.5.2	sourceObjectList	–	CHOICE	c:o		
	1.1.5.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3		
	1.1.5.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.1.2	AttributeValue	–	ANY	c:m		
	1.1.5.2.2	nonSpecialForm	–	OCTET STRING	c:o.3		
	1.1.5.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3		
	1.1.5.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.3.2	AttributeValue	–	ANY	c:m		
	1.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		
	1.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
	1.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
	1.1.7.2	significance	–	BOOLEAN	c:o		
	1.1.7.3	information	–	ANY DEFINED By identifier	c:m		

TABLE B9.7/X.790 (continued)

**troubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
2	2.1	ObjectInfo		Information Syntax 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 SEQUENCE	o		
	2.1.2.1	attributrId	–	CHOICE	c:m		
	2.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.4		
	2.1.2.1.2	localForm	–	INTEGER	c:o.4		
	2.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	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	sourceObjectList	–	CHOICE	c:o		
	2.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	2.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o.5		
	2.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	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	3.1	ObjectInfo		Information Syntax 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 SEQUENCE	o		
	3.1.2.1	attributrId	–	CHOICE	c:m		
	3.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.6		
	3.1.2.1.2	localForm	–	INTEGER	c:o.6		

TABLE B9.7/X.790 (continued)

**troubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	3.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	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	–	CHOICE	c:o		
	3.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		
	3.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	3.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o		
	3.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		
	3.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	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	4.1	TroubleHistoryInfo		Information Syntax SEQUENCE	o		
	4.1.1	managedObjectInstance	–	ObjectInstance	c:m		
	4.1.2	receivedTime	–	GeneralizedTime	c:m		
	4.1.3	troubleFound	–	CHOICE	c:m		
	4.1.3.1	number	–	INTEGER	c:o.8		
	4.1.3.2	identifier	–	OBJECT IDENTIFIER	c:o.8		
	4.1.4	activityDuration	–	SET OF SEQUENCE	c:o		
	4.1.4.1	duration	–	SEQUENCE	c:m		
	4.1.4.1.1	day	–	INTEGER	c:o		
	4.1.4.1.2	hour	–	INTEGER	c:o		

TABLE B9.7/X.790 (continued)

**troubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	4.1.4.1.3	minute	–	INTEGER	c:o		
	4.1.4.1.4	second	–	INTEGER	c:o		
	4.1.4.1.5	msec	–	INTEGER	c:o		
	4.1.4.2	billable	–	BOOLEAN	c:o		
	4.1.4.3	type	–	BIT STRING	c:o		
	4.1.5	additionalTroubleInfoList	–	SET OF GraphicString	c:o		
	4.1.6	authorizationList	–	SET OF SEQUENCE	c:o		
	4.1.6.1	state	–	ENUMERATED	c:m		
	4.1.6.2	type	–	BIT STRING	c:m		
	4.1.6.3	authTime	–	GeneralizedTime	c:o		
	4.1.6.4	authPerson	–	SEQUENCE	c:o		
	4.1.6.4.1	number	–	GraphicString	c:o		
	4.1.6.4.2	name	–	GraphicString	c:o		
	4.1.6.4.3	phone	–	GraphicString	c:o		
	4.1.6.4.4	loc	–	SEQUENCE	c:o		
	4.1.6.4.4.1	civicAddress	–	GraphicString	c:m		
	4.1.6.4.4.2	city	–	GraphicString	c:m		
	4.1.6.4.4.3	state	–	GraphicString	c:m		
	4.1.6.4.4.4	zip	–	GraphicString	c:m		
	4.1.6.4.5	email	–	GraphicString	c:o		
	4.1.6.4.6	fax	–	GraphicString	c:o		
	4.1.6.4.7	respon	–	GraphicString	c:o		
	4.1.7	cancelRequestedByManager	–	BOOLEAN	c:o		
	4.1.8	closeOutNarr	–	GraphicString	c:o		
	4.1.9	closeOutVerification	–	ENUMERATED	c:o		
	4.1.10	commitmentTime	–	CHOICE	c:o		
	4.1.10.1	onsiteTime	–	GeneralizedTime	c:o.9		
	4.1.10.2	clearedTime	–	GeneralizedTime	c:o.9		
	4.1.11	custTroubleTickNum	–	GraphicString	c:o		
	4.1.12	perceivedTroubleSeverity	–	CHOICE	c:o		



TABLE B9.7/X.790 (concluded)

**troubleReport Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	4.1.12.1	number	–	INTEGER	c:o.10		
	4.1.12.2	identifier	–	OBJECT IDENTIFIER	c:o.10		
	4.1.13	restoredTime	–	GeneralizedTime	c:o		
	4.1.14	troubleClearancePerson	–	SEQUENCE	c:o		
	4.1.14.1	number	–	GraphicString	c:o		
	4.1.14.2	name	–	GraphicString	c:o		
	4.1.14.3	phone	–	GraphicString	c:o		
	4.1.14.4	loc	–	SEQUENCE	c:o		
	4.1.14.4.1	civicAddress	–	GraphicString	c:m		
	4.1.14.4.2	city	–	GraphicString	c:m		
	4.1.14.4.3	state	–	GraphicString	c:m		
	4.1.14.4.4	zip	–	GraphicString	c:m		
	4.1.14.5	email	–	GraphicString	c:o		
	4.1.14.6	fax	–	GraphicString	c:o		
	4.1.14.7	respon	–	GraphicString	c:o		
	4.1.15	troubleReportNumberList	–	SET OF GraphicString	c:o		
	4.1.16	troubleType	–	CHOICE	c:o		
	4.1.16.1	number	–	INTEGER	c:o.11		
	4.1.16.2	identifier	–	OBJECT IDENTIFIER	c:o.11		
5	5.1	TroubleProgressInfo		Information Syntax SEQUENCE	o		
	5.1.1	troubleReportStatus	–	CHOICE	c:m		
	5.1.1.1	number	–	INTEGER	c:o.12		
	5.1.1.2	identifier	–	OBJECT IDENTIFIER	c:o.12		
	5.1.2	additionalTroubleStatusInfo	–	SET OF GraphicString	c:o		

TABLE B9.8/X.790

**troubleReport Parameter support**

(There are no parameters specified for this managed object class.)

TABLE B9.9/X.790

**troubleReport Conditions**

Condition number	Condition	Reference
c1	If B9.3/2 then m else –.	“any registered package other than this has been instantiated.”
c2	If B9.3/5 then m else –.	“an instance supports it and trAgentContactPersonobjectPkg is not present.”
c3	If B9.3/6 then m else –.	“an instance supports it and trAgentContactPersonattributePkg is not present.”
c4	If B9.3/12 then m else –.	“an instance supports it and no RepairActivity object is contained in an instance of this object class or its subclasses.”
c5		“the objectCreation and objectDeletion notifications identified in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”
c:o.1		At least one notification field must be supported
c:o.2		At least one notification field must be supported
c:o.3		At least one notification field must be supported
c:o.4		At least one notification field must be supported
c:o.5		At least one notification field must be supported
c:o.6		At least one notification field must be supported
c:o.7		At least one notification field must be supported
c:o.8		At least one notification field must be supported
c:o.9		At least one notification field must be supported
c:o.10		At least one notification field must be supported
c:o.11		At least one notification field must be supported
c:o.12		At least one notification field must be supported

TABLE B9.10/X.790

**troubleReport Name Binding support**

(There are no name bindings specified for this managed object class.)

## B10 troubleReportFormatDefn

TABLE B10.1/X.790

### troubleReportFormatDefn Managed object class support

Index	Managed object class template label	Value of object identifier for the managed object 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	troubleReportFormatDefn	{0 0 24 790 0 3 10}		

TABLE B10.2/X.790

### troubleReportFormatDefn Actual class support

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

TABLE B10.3/X.790

### troubleReportFormatDefn Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: allomorphicPackage	{2 9 3 2 4 17}	“an instance supports allomorphism”	o		
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: packagesPackage	{2 9 3 2 4 16}	“any registered package other than this has been instantiated”	c1		
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: topPackage		Mandatory	m		
4	trfdApplicableManagedObjectClassListPkg	{0 0 24 790 0 4 100}	“an instance supports it.”	o		
5	trfdApplicableManagedObjectInstanceListPkg	{0 0 24 790 0 4 101}	“an instance supports it.”	o		
6	trfdAttributeValueChangePkg	{0 0 24 790 0 4 105}	“an instance supports it.”	o		
7	trfdObjectCreationDeletionPkg	{0 0 24 790 0 4 106}	“an instance supports it.”	o		

TABLE B10.3/X.790 (concluded)

**troubleReportFormatDefn Package support**

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
8	trfdTrConstrainedToSingleValueAttrIDListPkg	{0 0 24 790 0 4 102}	“an instance supports it.”	o		
9	trfdTrMayBePresentAttrIDListPkg	{0 0 24 790 0 4 103}	“an instance supports it.”	o		
10	trfdTrMustBePresentAttrIDListPkg	{0 0 24 790 0 4 104}	“an instance supports it.”	o		
11	troubleReportFormatDefnPkg	(Not registered)	Mandatory	m		

TABLE B10.4/X.790

**troubleReportFormatDefn Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by create		Get	
				Status	Support	Status	Support
1	applicableManagedObjectClassList	{0 0 24 790 0 7 16}	SET OF ObjectClass	o		o	
2	applicableManagedObjectInstanceList	{0 0 24 790 0 7 17}	SET OF ObjectInstance	o		o	
3	tRConstrainedToSingleValueAttrIDList	{0 0 24 790 0 7 94}	SET OF AttributeId	o		o	
4	tRFormatID	{0 0 24 790 0 7 96}	INTEGER	m		m	
5	tRMayBePresentAttrIDList	{0 0 24 790 0 7 99}	SET OF AttributeId	o		o	
6	tRMustBePresentAttrIDList	{0 0 24 790 0 7 98}	SET OF AttributeId	o		o	

TABLE B10.4/X.790 (continued)

**troubleReportFormatDefn Attribute support**

Index	Replace		Add		Remove	
	Status	Support	Status	Support	Status	Support
1	–		–		–	
2	–		–		–	
3	–		–		–	
4	–		–		–	
5	–		–		–	
6	–		–		–	

TABLE B10.4/X.790 (concluded)

**troubleReportFormatDefn Attribute support**

Index	Set to default		Additional information
	Status	Support	
1	–		
2	–		
3	–		
4	–		
5	–		
6	–		

TABLE B10.5/X.790

**troubleReportFormatDefn Attribute group support**

(There are no attribute groups specified for this managed object class.)

TABLE B10.6/X.790

**troubleReportFormatDefn Action support**

(There are no actions specified for this managed object class.)

TABLE B10.7/X.790

**troubleReportFormatDefn Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
1	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: attributeValueChange	{2 9 3 2 10 1}		m				1.1
								1.1.1
								1.1.2
								1.1.2.1
								1.1.2.2
								1.1.3
								1.1.3.1
								1.1.3.1.1
								1.1.3.1.2
								1.1.3.2
								1.1.3.3
								1.1.4
								1.1.5
								1.1.5.1
								1.1.5.2
								1.1.5.2.1
								1.1.5.2.1.1
								1.1.5.2.1.2
								1.1.5.2.2
								1.1.5.2.3
								1.1.5.2.3.1
								1.1.5.2.3.2
								1.1.6
								1.1.7
								1.1.7.1
								1.1.7.2
								1.1.7.3
2	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectCreation	{2 9 3 2 10 6}		c2				2.1
								2.1.1
								2.1.2
								2.1.2.1
								2.1.2.1.1
								2.1.2.1.2
								2.1.2.2
								2.1.3

TABLE B10.7/X.790 (continued)

**troubleReportFormatDefn Notification support**

Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Support		Additional information	Subindex
					Con- firmed	Non-con- firmed		
								2.1.4
								2.1.4.1
								2.1.4.2
								2.1.4.2.1
								2.1.4.2.1.1
								2.1.4.2.1.2
								2.1.4.2.2
								2.1.4.2.3
								2.1.4.2.3.1
								2.1.4.2.3.2
								2.1.5
								2.1.6
								2.1.6.1
								2.1.6.2
								2.1.6.3
3	CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: objectDeletion	{2 9 3 2 10 7}		c2				3.1
								3.1.1
								3.1.2
								3.1.2.1
								3.1.2.1.1
								3.1.2.1.2
								3.1.2.2
								3.1.3
								3.1.4
								3.1.4.1
								3.1.4.2
								3.1.4.2.1
								3.1.4.2.1.1
								3.1.4.2.1.2
								3.1.4.2.2
								3.1.4.2.3
								3.1.4.2.3.1
								3.1.4.2.3.2
								3.1.5
								3.1.6
								3.1.6.1
								3.1.6.2
								3.1.6.3

TABLE B10.7/X.790 (continued)

**troubleReportFormatDefn Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1	1.1	AttributeValueChangeInfo		Information Syntax SEQUENCE	m		
	1.1.1	sourceIndicator	{2 9 3 2 7 26}	ENUMERATED	0		
	1.1.2	attributeIdentifierList	{2 9 3 2 7 8}	SET OF CHOICE	0		
	1.1.2.1	globalForm	–	OBJECT IDENTIFIER	c:o.1		
	1.1.2.2	localForm	–	INTEGER	c:o.1		
	1.1.3	attributeValueChangeDefinition	{2 9 3 2 7 10}	SET OF SEQUENCE	m		
	1.1.3.1	attributeID	–	CHOICE	c:m		
	1.1.3.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.2		
	1.1.3.1.2	localForm	–	INTEGER	c:o.2		
	1.1.3.2	oldAttributeValue	–	ANY DEFINED BY attributeID	o		
	1.1.3.3	newAttributeValue	–	ANY DEFINED BY attributeID	m		
	1.1.4	notificationIdentifier	{2 9 3 2 7 16}	INTEGER	o		
	1.1.5	correlatedNotifications	{2 9 3 2 7 12}	SET OF SEQUENCE	o		
	1.1.5.1	correlatedNotifications	{2 9 3 2 7 12}	SET OF INTEGER	c:m		
	1.1.5.2	sourceObjectList	–	CHOICE	c:o		
	1.1.5.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3		
	1.1.5.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.1.2	AttributeValue	–	ANY	c:m		
	1.1.5.2.2	nonSpecialForm	–	OCTET STRING	c:o.3		
	1.1.5.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.3		
	1.1.5.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	1.1.5.2.3.2	AttributeValue	–	ANY	c:m		
	1.1.6	additionalText	{2 9 3 2 7 7}	GraphicString	o		
	1.1.7	additionalInformation	{2 9 3 2 7 6}	SET OF SEQUENCE	o		
	1.1.7.1	identifier	–	OBJECT IDENTIFIER	c:m		
	1.1.7.2	significance	–	BOOLEAN	c:o		
	1.1.7.3	information	–	ANY DEFINED By identifier	c:m		



TABLE B10.7/X.790 (continued)

**troubleReportFormatDefn Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
2	2.1	ObjectInfo		Information Syntax 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 SEQUENCE	o		
	2.1.2.1	attributrId	–	CHOICE	c:m		
	2.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.4		
	2.1.2.1.2	localForm	–	INTEGER	c:o.4		
	2.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		
	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	sourceObjectList	–	CHOICE	c:o		
	2.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	2.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o.5		
	2.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.5		
	2.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	2.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	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	3.1	ObjectInfo		Information Syntax 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 SEQUENCE	o		
	3.1.2.1	attributrId	–	CHOICE	c:m		
	3.1.2.1.1	globalForm	–	OBJECT IDENTIFIER	c:o.6		
	3.1.2.1.2	localForm	–	INTEGER	c:o.6		
	3.1.2.2	attributeValue	–	ANY DEFINED By attributeID	c:m		

TABLE B10.7/X.790 (concluded)

**troubleReportFormatDefn Notification support**

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
	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	–	CHOICE	c:o		
	3.1.4.2.1	distinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		
	3.1.4.2.1.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.1.2	AttributeValue	–	ANY	c:m		
	3.1.4.2.2	nonSpecialForm	–	OCTET STRING	c:o		
	3.1.4.2.3	localDistinguishedName	–	SEQUENCE OF SET OF SEQUENCE	c:o.7		
	3.1.4.2.3.1	AttributeType	–	OBJECT IDENTIFIER	c:m		
	3.1.4.2.3.2	AttributeValue	–	ANY	c:m		
	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		

TABLE B10.8/X.790

**troubleReportFormatDefn Parameter support**

(There are no parameters specified for this managed object class.)

TABLE B10.9/X.790

**troubleReportFormatDefn Condition support**

Condition number	Condition	Reference
c1	B10.9/2	“any registered package, other than this package has been instantiated.”
c2		“the objectCreation and objectDeletion notifications identified in CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992 is supported by an instance of this class.”
c:o.1		At least one notification field must be supported
c:o.2		At least one notification field must be supported
c:o.3		At least one notification field must be supported
c:o.4		At least one notification field must be supported
c:o.5		At least one notification field must be supported
c:o.6		At least one notification field must be supported
c:o.7		At least one notification field must be supported
c:o.8		At least one name binding must be supported and if a functional unit requires a particular namebinding, then that must be supported.

TABLE B10.10/X.790

**troubleReportFormatDefn Name Binding support**

Index	Name binding template label	Value of object identifier for attribute	Constraints and values	Status	Support	Additional information	Subindex
1	troubleReportFormatDefn-network	{0 0 24 790 0 6 17}	Superior class: Rec. M.3100:1992: network AND SUBCLASSES	c:o.8			1.1
							1.2
							1.3
							1.4
							1.5
							1.6
2	troubleReportFormatDefn-system	{0 0 24 790 0 6 18}	Superior class: CCITT Rec. X.721 (1992)   ISO/IEC 10165-2:1992: system	c:o.8			2.1
							2.2
							2.3
							2.4
							2.5
							2.6

TABLE B10.10/X.790 (concluded)

**troubleReportFormatDefn Name Binding support**

Index	Subindex	Operation	Constraints and values	Status	Support	Additional information
1	1.1	Create support		–		
	1.2	Create with reference object		–		
	1.3	Create with automatic instance naming		–		
	1.4	Delete support		–		
	1.5	Delete only if no contained objects		–		
	1.6	Delete contained objects		–		
2	2.1	Create support		–		
	2.2	Create with reference object		–		
	2.3	Create with automatic instance naming		–		
	2.4	Delete support		–		
	2.5	Delete only if no contained objects		–		
	2.6	Delete contained objects		–		

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