



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS

UIT-T

SECTEUR DE LA NORMALISATION
DES TÉLÉCOMMUNICATIONS
DE L'UIT

X.790

Amendement 1
(10/96)

SÉRIE X: RÉSEAUX POUR DONNÉES ET
COMMUNICATION ENTRE SYSTÈMES OUVERTS

Gestion OSI – Fonctions de gestion

Fonction de gestion des dérangements pour les
applications de l'UIT-T

**Amendement 1: Formulaire de déclaration de
conformité d'implémentation**

Recommandation UIT-T X.790 – Amendement 1

(Antérieurement Recommandation du CCITT)

RECOMMANDATIONS UIT-T DE LA SÉRIE X

RÉSEAUX POUR DONNÉES ET COMMUNICATION ENTRE SYSTÈMES OUVERTS

RÉSEAUX PUBLICS POUR DONNÉES	X.1–X.199
Services et fonctionnalités	X.1–X.19
Interfaces	X.20–X.49
Transmission, signalisation et commutation	X.50–X.89
Aspects réseau	X.90–X.149
Maintenance	X.150–X.179
Dispositions administratives	X.180–X.199
INTERCONNEXION DES SYSTÈMES OUVERTS	X.200–X.299
Modèle et notation	X.200–X.209
Définitions des services	X.210–X.219
Spécifications des protocoles en mode connexion	X.220–X.229
Spécifications des protocoles en mode sans connexion	X.230–X.239
Formulaires PICS	X.240–X.259
Identification des protocoles	X.260–X.269
Protocoles de sécurité	X.270–X.279
Objets gérés de couche	X.280–X.289
Tests de conformité	X.290–X.299
INTERFONCTIONNEMENT DES RÉSEAUX	X.300–X.399
Généralités	X.300–X.349
Systèmes de transmission de données par satellite	X.350–X.399
SYSTÈMES DE MESSAGERIE	X.400–X.499
ANNUAIRE	X.500–X.599
RÉSEAUTAGE OSI ET ASPECTS SYSTÈMES	X.600–X.699
Réseautage	X.600–X.629
Efficacité	X.630–X.649
Dénomination, adressage et enregistrement	X.650–X.679
Notation de syntaxe abstraite numéro un (ASN.1)	X.680–X.699
GESTION OSI	X.700–X.799
Cadre général et architecture de la gestion-systèmes	X.700–X.709
Service et protocole de communication de gestion	X.710–X.719
Structure de l'information de gestion	X.720–X.729
Fonctions de gestion	X.730–X.799
SÉCURITÉ	X.800–X.849
APPLICATIONS OSI	X.850–X.899
Engagement, concomitance et rétablissement	X.850–X.859
Traitement transactionnel	X.860–X.879
Opérations distantes	X.880–X.899
TRAITEMENT RÉPARTI OUVERT	X.900–X.999

Pour plus de détails, voir la Liste des Recommandations de l'UIT-T.

AVANT-PROPOS

L'UIT-T (Secteur de la normalisation des télécommunications) est un organe permanent de l'Union internationale des télécommunications (UIT). Il est chargé de l'étude des questions techniques, d'exploitation et de tarification, et émet à ce sujet des Recommandations en vue de la normalisation des télécommunications à l'échelle mondiale.

La Conférence mondiale de normalisation des télécommunications (CMNT), qui se réunit tous les quatre ans, détermine les thèmes d'études à traiter par les Commissions d'études de l'UIT-T lesquelles élaborent en retour des Recommandations sur ces thèmes.

L'approbation des Recommandations par les Membres de l'UIT-T s'effectue selon la procédure définie dans la Résolution n° 1 de la CMNT (Helsinki, 1^{er}-12 mars 1993).

L'amendement 1 à la Recommandation UIT-T X.790, que l'on doit à la Commission d'études 7 (1993-1996) de l'UIT-T, a été approuvée le 5 octobre 1996 selon la procédure définie dans la Résolution n° 1 de la CMNT.

NOTE

Dans la présente Recommandation, l'expression «Administration» est utilisée pour désigner de façon abrégée aussi bien une administration de télécommunications qu'une exploitation reconnue de télécommunications.

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TABLE DES MATIÈRES

	<i>Page</i>
3 Définitions.....	3
11 Conformité	5
Annexe B – Formulaire MCS.....	6
Formulaire MOCS.....	13
B1 account	13
B2 cnmService.....	17
B3 contact	28
B4 providerTroubleReport.....	39
B5 repairActivity	53
B6 service	59
B7 telecommunicationsTroubleReport	71
B8 troubleHistoryRecord.....	95
B9 troubleReport.....	102
B10 troubleReportFormatDefn	117

RÉSUMÉ

La présente Recommandation offre le plus grand nombre d'options possibles aux réalisateurs qui pourront ainsi opérer un choix au moment d'élaborer un produit. Autrement dit, le système d'exploitation (OS, *operations system*) d'un constructeur qui a besoin d'interfonctionner avec l'OS d'un autre constructeur doit être élaboré sur la base d'un accord explicite commun que les deux concepteurs appliqueront aux options effectives à prévoir dans leur logiciel pour les messages de type X.739. Cet amendement permet de spécifier les options des messages de façon à expliciter les textes ultérieurs qui concerneront les options effectivement choisies pour le produit. Il s'ensuit que les délais nécessaires pour procéder aux tests d'interfonctionnement entre l'OS d'un constructeur et l'OS d'un autre constructeur peuvent être réduits parce que les concepteurs de produits disposeront d'une spécification plus explicite des messages.

FONCTION DE GESTION DES DÉRANGEMENTS POUR LES APPLICATIONS DE L'UIT-T

AMENDEMENT 1 Formulaires de déclaration de conformité d'implémentation

(Genève, 1996)

1) Remplacer l'article 3 par le suivant:

3 Définitions

La présente Recommandation définit les termes suivants.

3.1 Définitions relatives à la notation ASN.1

La présente Recommandation fait usage du terme suivant, qui est défini dans la Rec. X.208 du CCITT et l'ISO 8824:

- identificateur d'objet.

3.2 Définitions relatives au cadre de gestion

La présente Recommandation fait usage du terme suivant, qui est défini dans la Rec. X.700 du CCITT et l'ISO/CEI 7498-4:

- objet géré.

3.3 Définitions relatives aux méthodes d'essai de conformité

La présente Recommandation fait usage des termes suivants, qui sont définis dans la Rec. UIT-T X.290 et l'ISO/CEI 9646-1:

- a) déclaration de conformité d'une instance de protocole (PICS);
- b) formulaire de déclaration PICS;
- c) déclaration de conformité de système.

3.4 Définitions relatives à l'aperçu général de la gestion-systèmes

La présente Recommandation fait usage des termes suivants, qui sont définis dans la Rec. X.701 du CCITT | ISO/CEI 10040, les exceptions étant les suivantes:

- a) agent;
- b) classe d'objets gérés;
- c) déclaration de conformité d'objet géré;
- d) gestionnaire;
- e) formulaires de déclaration de conformité d'objet géré (MOCS);
- f) notification.

La définition du terme «agent» dans la Rec. X.701 du CCITT | ISO/CEI 10040 est utilisée avec la restriction suivante. Dans le cas d'une instance de service (ou ressource) de télécommunication donnée, il sera possible de gérer le service avec un système qui joue le rôle de gestionnaire et l'autre le rôle d'agent.

La définition du terme «gestionnaire» dans la Rec. X.701 du CCITT | ISO/CEI 10040 est utilisée avec la restriction suivante. Dans le cas d'une instance de service (ou ressource) de télécommunication donnée, il sera possible de gérer le service avec un système qui joue le rôle de gestionnaire et l'autre le rôle d'agent.

3.5 Définitions relatives au service commun de transfert d'informations de gestion (CMIS)

La présente Recommandation fait usage des termes suivants, qui sont définis dans la Rec. X.710 du CCITT et l'ISO/CEI 9595:

- a) attribut;
- b) type d'attribut;
- c) valeur d'attribut.

3.6 Définitions relatives au modèle d'informations de gestion

La présente Recommandation fait usage des termes suivants, qui sont définis dans la Rec. X.720 du CCITT | ISO/CEI 10165-1:

- a) action;
- b) comportement;
- c) caractéristique;
- d) ensemble conditionnel;
- e) instanciation;
- f) corrélation de noms;
- g) ensemble;
- h) paramètre;
- i) hyperclasse.

3.7 Directives pour la définition des définitions d'objets gérés

La présente Recommandation fait usage du terme suivant, qui est défini dans la Rec. X.722 du CCITT | ISO/CEI 10165-4:

- modèle.

3.8 Définitions relatives aux déclarations de conformité des implémentations

La présente Recommandation fait usage des termes suivants, qui sont définis dans la Rec. UIT-T X.296 et l'ISO/CEI 9646-7:

- a) item (de déclaration ICS);
- b) question (de déclaration ICS);
- c) statut (valeur de);
- d) réponse (relative à la prise en charge).

3.9 Définitions relatives aux formulaires de déclaration de conformité des implémentations

La présente Recommandation fait usage des termes suivants qui sont définis dans la Rec. UIT-T X.724 | ISO/CEI 10165-6:

- a) déclaration de conformité de relation gérée (MRCS);
- b) récapitulatif de conformité de gestion (MCS);
- c) formulaire MCS;
- d) formulaire MRCS.

3.10 Définitions supplémentaires

La présente Recommandation définit les termes suivants.

3.10.1 alias: Nom supplémentaire, en plus de l'identificateur d'objet, sous lequel un dossier de dérangement peut être connu, référencé ou identifié (en général par le client).

- 3.10.2 entité d'application:** Aspects d'un processus d'application se rapportant à l'interconnexion OSI.
- 3.10.3 association d'application:** Relation de coopération entre deux entités d'application, constituée par l'échange d'informations de commande de protocole d'application au moyen de l'utilisation des services de présentation.
- 3.10.4 contexte d'application:** Ensemble explicitement identifié d'éléments de service d'application, d'options associées et de toute autre information nécessaire à l'interaction d'entités d'application au moyen d'une association d'application.
- 3.10.5 alarmes associées:** Alarmes directement liées à un dérangement identifié explicitement.
- 3.10.6 annulé:** Un gestionnaire peut demander à l'agent d'annuler un rapport de dérangement, soit parce que ce dernier a été saisi par erreur, soit parce que le dérangement n'existe plus. Dans certaines conditions, par exemple si le dérangement n'a pas encore été affecté ou testé, l'agent annulera le dossier de dérangement en positionnant l'état du rapport sur «refermé à la demande du client». L'annulation d'un rapport de dérangement peut également avoir des implications commerciales qui sortent du cadre de la présente Recommandation, par exemple dans l'éventualité de facturation du rapport de dérangement au client.
- 3.10.7 acquitter des rapports de dérangement:** Déclaration faite par un agent indiquant que les actions qui ont été identifiées dans le rapport de dérangement ou que les instances d'objet d'activité de réparation ont bien été exécutées en vue de la résolution du dérangement ou que de telles actions ne sont plus nécessaires, de sorte que dans les deux cas le rapport de dérangement peut être refermé.
- 3.10.8 client:** Utilisateur d'un service fourni par un système ou un réseau.
- 3.10.9 refermé:** Un rapport de dérangement est considéré comme «refermé» lorsque le dérangement concerné a été acquitté ou n'existe plus et que l'agent met à jour le statut du rapport de dérangement pour indiquer que ce rapport est «refermé». Seul l'agent peut faire passer l'état du rapport de dérangement à «refermé». Le statut d'un rapport de dérangement peut passer à «refermé à la demande du client» à la suite d'une demande d'annulation du rapport de dérangement faite par le gestionnaire.
- 3.10.10 fermeture des rapports de dérangement:** Déclaration faite par un agent indiquant que le dérangement a été résolu, de sorte que le seul traitement auquel peut encore donner lieu le rapport de dérangement acquitté sera pour générer une fiche chronologique de dérangement et/ou pour être supprimé.
- 3.10.11 entité de gestion conforme:** Système ouvert réel prenant en charge l'interface interopérable définie dans la présente Recommandation.
- 3.10.12 contact:** Personne pouvant fournir, de la part du gestionnaire ou de l'agent, une information complémentaire concernant le dérangement.
- 3.10.13 client:** Utilisateur de services de télécommunication fournis par un prestataire de services. Plus spécifiquement, dans le cadre de la présente Recommandation utilisateur qui choisit d'utiliser l'interface OSI OS-OS (entre systèmes d'exploitation) pour effectuer, des opérations de gestion de réseau au-delà des frontières de domaines dans le but de contrôler des services ou des ressources de télécommunication offerts par un prestataire de services. Le client, ou son représentant, joue le rôle de gestionnaire.
- Il n'existe pas de prescriptions limitant l'interface aux cas où il existe une relation classique entre un client et un prestataire de service de télécommunication. Ainsi, deux prestataires de services de télécommunication (transporteurs) peuvent utiliser cette interface pour échanger des rapports de dérangement lorsque leurs réseaux interfonctionnent pour fournir un service à un utilisateur final. Dans un tel cas, le rôle de client peut changer selon la situation. Toutefois, dans une situation donnée, un transporteur sera le client qui jouera le rôle de gestionnaire, tandis que l'autre sera le fournisseur qui jouera le rôle d'agent.
- 3.10.14 différer:** Retarder un rapport de dérangement ou le mettre de côté en attendant que des conditions appropriées soient réunies et qu'il puisse progresser de nouveau.
- 3.10.15 événement:** Une occurrence temporelle qui modifie le statut global d'un objet. La modification du statut peut être persistante ou temporaire, ce qui permet de réaliser des fonctions telles que la surveillance, la supervision ou la mesure des performances. Les événements peuvent générer ou non des comptes rendus, ils peuvent être spontanés ou planifiés, ils peuvent déclencher d'autres événements, et être eux mêmes déclenchés par un ou plusieurs autres événements.
- 3.10.16 diligenter un rapport de dérangement:** Identifier un rapport de dérangement comme devant être traité immédiatement en urgence pour réparer le dérangement.
- 3.10.17 gestion des pannes:** La gestion des pannes consiste en un ensemble de fonctions permettant de détecter d'isoler et de corriger un fonctionnement anormal du réseau de télécommunication et de son environnement.

3.10.18 zone de responsabilité: Concept se référant à la séparation fonctionnelle des réseaux de télécommunication. Une zone de responsabilité appartient à l'un des quatre types suivants:

- réseau de transporteur local;
- réseau de transporteur de transit;
- réseau de client final;
- une combinaison des précédents.

3.10.19 interruption de service: Indisponibilité d'un service ou d'une ressource.

3.10.20 gravité perçue: Gravité du problème telle qu'elle est perçue par la personne qui signale le dérangement.

3.10.21 priorité: Degré d'urgence imposé par le gestionnaire à la résolution du problème.

3.10.22 service: Terme désignant les capacités qu'un client achète ou loue à un prestataire de services. Un service est une abstraction de la vue orientée éléments de réseau ou orientée équipements. Des services identiques peuvent être fournis par différents éléments de réseau et des services différents peuvent être fournis par les mêmes éléments de réseau.

3.10.23 fournisseur de service: Système ou réseau fournissant un service de télécommunication à un client. Dans le contexte de la présente Recommandation, le fournisseur de service est plus spécifiquement un fournisseur de services de télécommunication qui propose une interface OSI entre systèmes d'exploitation, afin de conférer au client une capacité de gestion de réseau à travers de multiples zones de responsabilité, et afin de contrôler les services (ou ressources) fournis (voir la rubrique *client*). Un fournisseur de service agit dans le rôle d'agent.

Il n'existe pas de prescription limitant l'interface aux cas où il existe une relation classique de client à prestataire de service de télécommunication. Ainsi, il est possible que cette interface soit utilisée par deux transporteurs de télécommunication dont les réseaux interfonctionnent pour fournir un service à un utilisateur final. Dans un tel cas, les rôles de client et de prestataire de service peuvent s'inverser selon la situation. Toutefois, dans une situation donnée, un transporteur sera le client et assumera le rôle de gestionnaire, tandis que l'autre sera le fournisseur et assumera le rôle d'agent.

3.10.24 état d'un rapport de dérangement: Etape atteinte par un rapport de dérangement, au cours de la résolution du problème, depuis l'instant de sa création ou instanciation.

3.10.25 horodatage: Valeur de date et d'heure indiquant l'instant où a eu lieu une activité, une action ou un événement.

3.10.26 dérangement: Toute cause pouvant conduire ou contribuer à conduire un gestionnaire à percevoir une dégradation dans la qualité de service d'un ou de plusieurs services ou ressources de réseau gérés.

3.10.27 administration des dérangements: Ensemble de fonctions permettant de signaler les dérangements et d'en suivre le statut. L'administration des dérangements comprend la demande de formulaire de rapport de dérangement, la saisie du rapport de dérangement, l'addition d'information de dérangement, l'annulation d'un rapport de dérangement, la demande du statut du rapport de dérangement l'examen de la chronologie des dérangements, la notification de changement de valeurs d'attribut (par exemple pour le statut du rapport de dérangement ou pour l'engagement de date), la création et la suppression d'objet «rapport de dérangement», la vérification de l'achèvement de la réparation et la modification de l'information d'administration des dérangements.

3.10.28 fiche chronologique de dérangement: Enregistrement d'informations sélectionnées à partir d'un rapport de dérangement, conservé à des fins chronologique après la fermeture du rapport de dérangement.

3.10.29 gestion des dérangements: Signalement et suivi des dérangements assuré par des entités CME coopérant pour la résolution d'un dérangement (aucune distinction n'est faite entre les interfaces situées entre deux zones de responsabilité ou à l'intérieur d'une même zone de responsabilité).

3.10.30 signalement de dérangement: Acte de signaler qu'un dérangement a été détecté de manière à permettre la mise en œuvre de la gestion des dérangements pour sa résolution.

3.10.31 résolution du dérangement: Processus de diagnostic et de réparation requis pour acquitter un problème. Ceci inclut le processus d'assignation de tâches de travail spécifiques ou de la responsabilité générale d'acquittement du rapport de dérangement puis de sa fermeture.

3.10.32 suivi de dérangement: Capacité de suivre l'avancement d'un rapport de dérangement depuis sa création jusqu'à sa fermeture.

3.10.33 type de dérangement: Description ou catégorie du dérangement détecté.

2) Insérer par ordre alphabétique les abréviations ci-après à l'article 4:

ICS	Déclaration de conformité d'une implémentation (<i>implementation conformance statement</i>)
MCS	Récapitulatif de conformité de gestion (<i>management conformance summary</i>)
MICS	Déclaration de conformité des informations de gestion (<i>management information conformance statement</i>)
MOCS	Déclaration de conformité d'objet géré (<i>managed object conformance statement</i>)
MRCS	Déclaration de conformité de relation gérée (<i>managed relationship conformance statement</i>)
PICS	Déclaration de conformité d'une implémentation de protocole (<i>protocol implementation conformance statement</i>)

3) Remplacer l'article 11 par le suivant:

11 Conformité

Une implémentation déclarant la conformité à la présente Recommandation se conformera aux exigences décrites dans les paragraphes suivants.

11.1 Conformité statique

L'implémentation se conformera aux exigences de la présente Recommandation dans le rôle de gestionnaire, le rôle d'agent ou dans les deux rôles. Une déclaration de conformité à l'un au moins de ces rôles doit être faite dans le Tableau B0.4.1.

Si une déclaration de conformité est faite pour la prise en charge dans le rôle de gestionnaire, l'implémentation devra prendre en charge au moins une opération ou notification de gestion de l'objet géré dossier de dérangement de télécommunication ou au moins une opération ou notification de gestion de l'objet géré dossier de dérangement de prestataire spécifiée dans la présente Recommandation. Les prescriptions de conformité du rôle de gestionnaire pour ces opérations et notifications de gestion sont identifiées au Tableau B0.4.3 et dans d'autres tableaux de l'Annexe B.

Si une déclaration de conformité est faite pour la prise en charge dans le rôle d'agent, l'implémentation devra prendre en charge une ou plusieurs instances de la classe d'objet géré dossier de dérangement de télécommunication identifiée au Tableau B0.4.4 ou prendre en charge une ou plusieurs instances de la classe d'objet géré dossier de dérangement de prestataire.

L'implémentation appliquera la syntaxe de transfert dérivée des règles de codage spécifiées dans la Rec. X.209 du CCITT et l'ISO/CEI 8825 sous la dénomination {joint-iso-itu-t asn1(1) basicEncoding(1)} pour les types abstraits de données référencés par les définitions pour lesquelles la prise en charge est déclarée.

NOTE – Avant la publication du présent amendement, la présente Recommandation avait défini des classes de conformité générale et des classes de conformité dépendante. Une déclaration de conformité analogue à une classe de conformité générale peut être faite par une déclaration de prise en charge dans le rôle de gestionnaire, le rôle d'agent, ou les deux à la fois, pour l'unité fonctionnelle noyau du Tableau B0.4.2. Une déclaration de conformité analogue à la classe de conformité dépendante peut être faite par une déclaration de prise en charge d'au moins un des items dans des Tableaux B0.4.3 ou B0.4.4.

11.2 Conformité dynamique

Des implémentations déclarant la conformité à la présente Recommandation prendront en charge les éléments de procédure et les définitions de sémantique correspondant aux définitions dont la prise en charge est déclarée.

11.3 Prescriptions de déclaration de conformité d'implémentation de gestion

Tout formulaire de déclaration MCS, formulaire de déclaration MICS, formulaire de déclaration MOCS et formulaire de déclaration MRCS qui se conforme à la présente Recommandation devra être techniquement identique aux formulaires spécifiés dans les Annexes B, C, D et E en préservant la numérotation des tableaux et la numérotation des index des items, les différences portant uniquement sur la pagination et les en-têtes de page.

Le fournisseur d'une implémentation pour laquelle est déclarée la conformité à la présente Recommandation devra remplir, comme partie des exigences de conformité, une copie de récapitulatif de conformité de gestion (MCS) fourni dans l'Annexe B ainsi que tous autres formulaires de déclaration ICS pour lesquels le récapitulatif MCS indique qu'ils s'appliquent. Toute déclaration ICS se conformant à la présente Recommandation devra:

- décrire une implémentation se conformant à la présente Recommandation;
- avoir été réalisée conformément aux instructions de réalisation données dans la Rec. UIT-T X.724 | ISO/CEI 10165-6;
- comporter l'information nécessaire pour identifier sans ambiguïté le fournisseur et l'implémentation.

4) *Insérer les annexes suivantes:*

Annexe B⁴⁾

Formulaire MCS

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) Droits de reproduction du formulaire MCS

Les utilisateurs de la présente Recommandation sont autorisés à reproduire le formulaire MCS de la présente annexe pour utiliser celui-ci conformément à son objet. Ils sont également autorisés à publier le formulaire une fois celui-ci complété.

Les instructions pour compléter le formulaire MCS sont spécifiées dans la Rec. UIT-T X.724 | ISO/CEI 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.
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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			
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. 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. 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. 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.								

Formulaire MOCS⁵⁾

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

5) Droits de reproduction du formulaire MOCS

Les utilisateurs de la présente Recommandation sont autorisés à reproduire le formulaire MOCS de la présente annexe pour utiliser celui-ci conformément à son objet. Ils sont également autorisés à publier le formulaire une fois celui-ci complété.

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 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: 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

					Support			
Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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

					Support			
Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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

					Support			
Index	Package template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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	c1		
	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	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	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

	Set to default		
Index	Status	Support	Additional information
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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	additionalTroubleInfoList	{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

	Set to default		
Index	Status	Support	Additional information
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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-telecommunicationsTroubleReport	{0 0 24 790 0 6 15}	Superior class: telecommunicationsTroubleReport	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: 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	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**

	Set to default		
Index	Status	Support	Additional information
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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: qualityofServiceAla rm	(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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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	c1		
	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 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	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

	Replace		Add		Remove	
Index	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

	Set to default		
Index	Status	Support	Additional information
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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	attributeId	–	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 allomorphism”	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	troubleReportNumber List	{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 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	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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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**

	Set to default		
Index	Status	Support	Additional information
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
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

					Support			
Index	Notification type template label	Value of object identifier for attribute	Constraints and values	Status	Con- firmed	Non-con- firmed	Additional information	Subindex
								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		—		

SERIES DES RECOMMANDATIONS UIT-T

Série A	Organisation du travail de l'UIT-T
Série B	Moyens d'expression
Série C	Statistiques générales des télécommunications
Série D	Principes généraux de tarification
Série E	Réseau téléphonique et RNIS
Série F	Services de télécommunication non téléphoniques
Série G	Systèmes et supports de transmission
Série H	Transmission des signaux autres que téléphoniques
Série I	Réseau numérique à intégration de services
Série J	Transmission des signaux radiophoniques et télévisuels
Série K	Protection contre les perturbations
Série L	Construction, installation et protection des câbles et autres éléments des installations extérieures
Série M	Maintenance: systèmes de transmission, de télégraphie, de télécopie, circuits téléphoniques et circuits loués internationaux
Série N	Maintenance: circuits internationaux de transmission radiophonique et télévisuelle
Série O	Spécifications des appareils de mesure
Série P	Qualité de transmission téléphonique
Série Q	Commutation et signalisation
Série R	Transmission télégraphique
Série S	Equipements terminaux de télégraphie
Série T	Equipements terminaux et protocoles des services télématiques
Série U	Commutation télégraphique
Série V	Communications de données sur le réseau téléphonique
Série X	Réseaux pour données et communication entre systèmes ouverts
Série Z	Langages de programmation