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X.485

(09/92)

REDES DE COMUNICACIÓN DE DATOS

**SISTEMAS DE TRATAMIENTO DE
MENSAJES: SISTEMA DE MENSAJERÍA
VOCAL FORMULARIO DE DECLARACIÓN
DE CONFORMIDAD DE IMPLEMENTACIÓN
DE PROTOCOLO**



Recomendación X.485

PREFACIO

El CCITT (Comité Consultivo Internacional Telegráfico y Telefónico) es un órgano permanente de la Unión Internacional de Telecomunicaciones (UIT). Este órgano estudia los aspectos técnicos, de explotación y tarifarios y publica Recomendaciones sobre los mismos, con miras a la normalización de las telecomunicaciones en el plano mundial.

La Asamblea Plenaria del CCITT, que se celebra cada cuatro años, establece los temas que han de estudiarse y aprueba las Recomendaciones preparadas por sus Comisiones de Estudio. La aprobación de Recomendaciones por los miembros del CCITT entre las Asambleas Plenarias de éste es el objeto del procedimiento establecido en la Resolución N.º 2 del CCITT (Melbourne, 1988).

La Recomendación X.485 ha sido preparada por la Comisión de Estudio VII y fue aprobada por el procedimiento de la Resolución N.º 2 el 10 de septiembre de 1992.

NOTA DEL CCITT

En esta Recomendación, la expresión «Administración» se utiliza para designar, en forma abreviada, tanto una Administración de telecomunicaciones como una empresa privada de explotación reconocida de telecomunicaciones.

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INTRODUCCIÓN

En esta Recomendación se define el formulario de declaración de conformidad de implementación de protocolo (PICS, *protocol implementation conformance statement*) VM que será utilizada cuando se pretende soportar un protocolo de sistema de tratamiento de mensajes (MHS, *message handling system*) OSI destinado al intercambio de mensajes con codificación de voz en el modo de almacenamiento y retransmisión, según se especifica en la Recomendación F.440.

El formulario PICS definido en esta Recomendación constituye un agregado a otras especificaciones MHS establecidas en las Recomendaciones de la serie X.400 o en la Norma Internacional 10021.

**SISTEMAS DE TRATAMIENTO DE MENSAJES: SISTEMA DE MENSAJERÍA VOCAL
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DE IMPLEMENTACIÓN DE PROTOCOLO (PICS)**

1 Alcance

Para evaluar la conformidad de una implementación es necesario disponer de una declaración que indique las capacidades y opciones utilizadas para un protocolo OSI. Dicha declaración se denomina declaración de conformidad de implementación de protocolo (PICS, *protocol implementation conformance statement*).

La presente Recomendación proporciona el formulario de PICS para el protocolo VMG de las Recomendaciones X.440 y F.440.

2 Referencias normativas

Las Recomendaciones del CCITT y las Normas Internacionales siguientes contienen disposiciones, que mediante su referencia en este texto, constituyen disposiciones de la presente Recomendación. Al efectuar esta publicación, estaban en vigor las ediciones indicadas. Todas las Recomendaciones | Normas Internacionales son objeto de revisiones, con lo que se preconiza que los participantes en acuerdos basados en la presente Recomendación investiguen la posibilidad de aplicar las ediciones más recientes de las Recomendaciones y Normas Internacionales citadas a continuación. Los miembros de la CEI y de la ISO mantienen registros de las Normas Internacionales actualmente vigentes. La Secretaría del CCITT mantiene una lista de las Recomendaciones del CCITT actualmente vigentes.

2.1 Pares de Recomendaciones del CCITT | Normas Internacionales de contenido técnico equivalente

- Recomendación X.400 del CCITT (1988), *Sistema de tratamiento de mensajes: Visión de conjunto del sistema y del servicio.*
ISO/CEI 10021-1:1990, *Information Technology – Text Communication – Message Oriented Text Interchange System – Part 2: Service Overview.*
- Recomendación X.402 del CCITT (1988), *Sistemas de tratamiento de mensajes: Arquitectura global.*
ISO/CEI 10021-2:1990, *Information Technology – Text Communication – Message Oriented Text Interchange System – Part 2: Overall Architecture.*
- Recomendación X.407 del CCITT (1988), *Sistemas de tratamiento de mensajes: Convenios para la definición del servicio abstracto.*
ISO/CEI 10021-3:1990, *Information Technology – Text Communication – Message Oriented Text Interchange System – Part 3: Abstract Service Definition and Conventions.*
- Recomendación X.411 del CCITT (1988), *Sistemas de tratamiento de mensajes: Sistema de transferencia de mensajes: Definición del servicio abstracto y procedimientos.*
ISO/CEI 10021-4:1990, *Information Tecnology – Text Communication – Message Oriented Text Interchange System – Part 4: Message Transfer Systems, Abstract Service Definition and Procedures.*
- Recomendación X.413 del CCITT (1988), *Sistemas de tratamiento de mensajes: Definición del servicio abstracto de almacenamiento de mensajes.*
ISO/CEI 10021-5:1990, *Information Technology – Text Communication – Message Oriented Text Interchange System – Part 5: Message Store: Abstract Service Operation.*

- Recomendación X.419 del CCITT (1988), *Sistemas de tratamiento de mensajes: Especificaciones de protocolo.*
ISO/CEI 10021-6:1990, *Information Technology – Text Communication – Message Oriented Text Interchange System – Part 6: Protocol Specification.*
- Recomendación X.290 del CCITT (1991), *Metodología y marco de las pruebas de conformidad OSI: Conceptos generales.*
ISO/CEI 9646-1:1991, *Information Technology – OSI Conformance Testing Methodology and Framework – Part 1: General concepts.*
- Recomendación X.291 del CCITT (1991), *Metodología y marco de las pruebas de conformidad OSI: Recomendación de series de pruebas abstractas.*
ISO/CEI 9646-2:1991, *Information Technology – OSI Conformance Testing Methodology and Framework – Part 2: Abstract Test Suite Specification.*

2.2 Referencias adicionales

- Recomendación F.440 del CCITT (1992), *Servicio público de mensajería vocal.*
- Recomendación X.440 del CCITT (1992), *Sistemas de tratamiento de mensajes: Sistema de mensajería vocal.*

3 Definiciones

En la presente Recomendación se utilizan los términos definidos en la Recomendación X.440.

4 Abreviaturas

En esta Recomendación se utilizan las abreviaturas definidas en la Rec. X.440 | ISO/CEI 10021.

5 Convenios

El formulario PICS se designa como un anexo a esta Recomendación.

6 Cláusula de conformidad

El proveedor de una implementación de protocolo que pretende ser conforme a la Recomendación X.440 debe rellenar un ejemplar del formulario de PICS que aparece en el anexo A y suministrar la información necesaria para identificar tanto al proveedor como la implementación.

ANEXO A
(a la Recomendación X.485)

Formulario de PICS para el protocolo VMG de la Recomendación X.440 (1992)

(Este anexo es parte integrante de esta Recomendación)

A.1 *PICS cover page proforma*

A.1.1 *Identification of PICS*

PICS serial No.:
Date:

A.1.2 *Identification of the implementation*

Name:
Version:
Special configuration:
Other information:

A.1.3 *Identification of the the system supplier*

Protocol supplier (if not the system supplier)	
Name:	Contact:
Street:	Phone No.:
City:	Telex No.:
Country:	Fax No.:
Rec. X.400:	

A.1.4 *Identification of the protocol*

Number/Revision date:
Addenda applicable:
Implementor's Guide version:

Comunicado sobre derechos de autor del formulario de PICS

Los usuarios de esta Recomendación pueden reproducir libremente el formulario de PICS de este anexo a fin de que pueda ser utilizado para los fines previstos, y pueden además publicar el PICS cumplimentado.

A.1.5 *Global statement of conformance*

Are all mandatory features implemented? (Yes or No):

Answering “No” to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be indicated in the PICS, with an explanation of why the implementation is non-conforming.

A.1.6 *VM application entity implemented*

Three groups of VM application entities are specified. At least one VM application entity shall be identified when completing the PICS.

Note – If the implementation supports both the VM User Agent and VM Forwarding, both items A.1.6.1 and A.1.6.1.1 shall be indicated.

Item	Type of VM Application Entity and Functionality	O/R	I	Reference to Rec. X.440 (§)
A.1.6.1	VM User Agent	O/R	[]	15.1 and 21
A.1.6.1.1	with VM-Forwarding	O/R	[]	15.1, 17.3.3 and 21
A.1.6.1.2	with Message Store	O/R	[]	15.2 and 21
A.1.6.1.3	with Message Store and VM-Forwarding	O/R	[]	15.2, 17.3.3 and 21
A.1.6.2	VM Message Store	O/R	[]	15.2 and 21
A.1.6.2.1	VMGS-MS Attributes	O/R	[]	Table 1
A.1.6.2.2	VMGS-MS Auto Actions	O/R	[]	18.4
A.1.6.3	VM Telephone Service Access Unit (TSAU)	O/R	[]	15.3

A.2 *Instructions for completing the PICS proforma*

A.2.1 *Abbreviations and keys*

The following abbreviation is used in this Recommendation:

PICS Protocol Implementation Conformance Statement

Each line within the PICS proforma which requires implementation detail to be entered is numbered at the left hand edge of the line. This numbering is included as a means of uniquely identifying any possible implementation detail within the PICS proforma.

The S/M column in § A.5, Message Store Attributes, indicates whether single-valued(S) or multi-valued(M) support is required. The AE column of § A.6 means VM application entity.

The D column reflects the definitions in this Recommendation. Each entry in this column is chosen from the following list:

- m Mandatory support is required;
- O Optional support is permitted. If implemented it shall conform to the Recommendation;
- C Conditional, the support of this element is subject to a predicate which is referenced in the Note column (see § A.4.4);
- n/a Not Applicable.

The I column describes the actual capabilities of the implementation and shall be completed by the supplier using a symbol chosen from the following list:

- Y Item is implemented (subject to stated constraints);
- N Item is not implemented;
- Item is not applicable.

The O/R column separates the capabilities for Origination and Reception/Relay.

- O Origination;
- R Reception/Relay.

A.2.2 *Supported functions*

A function is supported for Origination if the corresponding element of service is made available by the service provider to the end-user, which if required can invoke the element of service itself.

A function is supported for Reception if the service provider actually handles the protocol element(s) associated with the element of service and makes the service available to the end-user.

Mapping between F.440 keys and PICS entries:

<i>F.440</i>	<i>PICS</i>
Basic Services	M
Essential Optional	M
Additional Optional	O

A.2.3 *Protocol data unit (PDU) parameters*

A Protocol element is supported for Origination if the IUT is able to generate it under some circumstances (either automatically or because VMGS-user explicitly required a related service).

A protocol element is supported for Reception if it is correctly interpreted and handled. When required it will be made available to the VMGS-user.

A.2.4 *Predicate definitions*

The classification of an element of service or a protocol element may be subject to a predicate. The support of a predicated item is mandatory when the related predicate is true. Otherwise support of the item is optional.

Within that annex predicates are defined as follow:

px = "Item_number".

where:

"item" is a column title in the tables starting in A.3.

List of predicates:

Predicate *Item*

p 1	A.1.6.3
p2	A.1.6.1.1 or A.1.6.1.3
p3	A.1.6.2.2
p4	A. 1.6.(1.2 or 1.3 or 2 or 2.2)
p5	A.1.6.2 or A.1.6.2.2
p6	A.1.6.1.3
p7	A.1.6.1.2 or A.1.6.1.4
p8	A.3.62 or A.5.54

p9 p8 and (A.1.6.1 or A.1.6.1.3)
p10 12.1 of Rec. X.413 (1992)
p11 A.1.6.2

A.2.5 Abbreviations

The following abbreviations are used in the headings of this proforma:

O/R Origination/Reception;
D Defined in this Recommendation;
I Implemented.
Note Predicate Reference

A.3 Major Capabilities: Voice Messaging Elements of Service

Item	Element of Service	O/R	D	I	Reference to Recs. F.400 or X.440 (Note) (§)
A.3.1	Access Management	O R	M M	[] []	B.1
A.3.2	Attendant Assisted Delivery	O R	O C	[] []	E.1 p1
A.3.3	Auto-Forwarding Indication	O R	O M	[] []	B.6
A.3.4	Body Part Encryption Indication	O R	O O	[] []	B.9
A.3.5	Content Confidentiality	O R	O O	[] []	B.10
A.3.6	Content Integrity	O R	O O	[] []	B.11
A.3.7	Content Type Indication	O R	M M	[] []	B.12
A.3.8	Conversion Prohibition	O R	M M	[] []	B.13
A.3.9	Converted Indication	O R	M M	[] []	B.15
A.3.10	Deferred Delivery	O R	M n/a	[] []	B.19
A.3.11	Deferred Delivery Cancellation	O R	O n/a	[] []	B.20
A.3.12	Delegation of Recipient by Directory Name	O R	O n/a	[] []	B.24
A.3.13	Delivery Notification	O R	M n/a	[] []	B.21
A.3.14	Delivery Time Stamp Indication	O R	M M	[] []	B.22
A.3.15	Disclosure of Other Recipients	O R	O M	[] []	B.25

Item	Element of Service	O/R	D	I	Reference to Recs. F.400 or X.440 (Note) (§)
A.3.16	DL Expansion Prohibited	O R	O n/a	[] []	B.27
A.3.17	Expiry Date (+Time) Indication	O R	O O	[] []	B.29
A.3.18	Forwarding Voice-Message Indicator	O R	C M	[] []	p2,E.2
A.3.19	Grade of Delivery Selection	O R	M M	[] []	B.32
A.3.20	Hold for Delivery	O R	O C	[] []	B.33 MTS dependency
A.3.21	Implicit Conversion	O R	O C	[] []	B.34 MTS dependency
A.3.22	Importance Indication	O R	M M	[] []	B.35
A.3.23	Language Indication	O R	O O	[] []	B.38
A.3.24	Latest Delivery Designation	O R	O n/a	[] []	B.39
A.3.25	Message Flow Confidentiality	O R	O O	[] []	B.40
A.3.26	Message Identification	O R	M M	[] []	B.41
A.3.27	MS Register	O R	O n/a	[] []	B.95
A.3.28	Multi Destination Delivery	O R	M n/a	[] []	B.45
A.3.29	Non-Delivery Notification	O R	M M	[] []	B.47
A.3.30	Non-Receipt Notification	O R	M M	[] []	B.48
A.3.31	Non-repudiation of Content Originated	O R	O O	[] []	G.1
A.3.32	Non-repudiation of Content Received	O R	O O	[] []	G.2
A.3.33	Non-repudiation of Content Received Request	O R	O O	[] []	G.3
A.3.34	Non-repudiation of Voice Notification	O R	O O	[] []	G.4
A.3.35	Non-repudiation of Voice Notification Request	O R	O O	[] []	G.5
A.3.36	Obsoleting Indication	O R	O O	[] []	B.52
A.3.37	Prevention Non-Delivery Notification	O R	M n/a	[] []	B.61

Item	Element of Service	O/R	D	I	Reference to Recs. F.400 or X.440 (Note) (§)
A.3.38	Proof of content received	O R	O O	[] []	G.6
A.3.39	Proof of content received request	O R	O O	[] []	G.7
A.3.40	Proof of voice notification	O R	O O	[] []	G.8
A.3.41	Proof of voice notification request	O R	O O	[] []	G.9
A.3.42	Receipt Notification Request Indication	O R	M M	[] []	B.67
A.3.43	Redirection Disallowed by Originator	O R	O M	[] []	B.68
A.3.44	Redirection of Incoming Message	O R	O C	[] []	B.68 MTS dependency
A.3.45	Replying Voice-message Indicator	O R	O M	[] []	E.3
A.3.46	Restricted Delivery	O R	O C	[] []	B.77 MTS dependency
A.3.47	Secure Access Management	O R	O O	[] []	B.79
A.3.48	Sensitivity Indication	O R	M M	[] []	B.80
A.3.49	Stored Message Alert	O R	O C	[] []	B.82 p3
A.3.50	Stored Message Auto Forward	O R	O C	[] []	B.83 p3, p4
A.3.51	Stored Message Deletion	O R	n/a C	[] []	B.84 p3, p4
A.3.52	Stored Message Fetching	O R	n/a C	[] []	B.85 p3
A.3.53	Stored Message Listing	O R	n/a C	[] []	B.86 p3
A.3.54	Stored Message Summary	O R	n/a C	[] []	B.87 p3
A.3.55	Stored VM-auto-forward	O R	O C	[] []	E.4
A.3.56	Submission Time Stamp Indication	O R	M M	[] []	B.89
A.3.57	TS-recipient Spoken Name Indication	O R	O C	[] []	E.5 p1
A.3.58	TSAU-recipient	O R	M C	[] []	E.6 p1
A.3.59	Typed Body	O R	M M	[] []	B.91

Item	Element of Service	O/R	D	I	Reference to Recs. F.400 or X.440 (Note) (§)
A.3.60	Use of Distribution List	O R	M n/a	[] []	B.92
A.3.61	User/UA Capability Registration	O R	M M	[] []	B.93
A.3.62	V-message Creation Time	O R	M M	[] []	E.7
A.3.63	V-message Duration Indicator	O R	M M	[] []	E.8
A.3.64	V-message Identification	O R	M M	[] []	E.9
A.3.65	VM-encoding Algorithm Identifier	O R	M M	[] []	E.10
A.3.66	VM-forwarding	O R	O M	[] []	E.11
A.3.67	VM.multi-part Body	O R	M M	[] []	E.12
A.3.68	VM Recipient Indicator	O R	M M	[] []	E.14
A.3.69	VM-service status notification Request	O R	M M	[] []	E.15
A.3.70	VM spoken name indication	O R	M M	[] []	E.16
A.3.71	VM subject indication	O R	M M	[] []	E.17
A.3.72	VN receiver	O R	O O	[] []	E.13

Note – References to B - subclauses are found in Annex B of Rec. F.400. References to E- and G - subclauses are found in Annexes E and G of Recommendation F.440.

A.4 Voice Messaging Protocol Data Unit (PDU) Parameters

A.4.1 VMG information objects

Item	InformationObject	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.1.1	vm	O R	M M	[] []				6
A.4.1.2	vm	O R	M M	[] []				6

A.4.2 VM identifier

Item	VMIdentifier	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.2.1	user	O R	M M	[] []				7.1
A.4.2.2	user-relative-reference	O R	M M	[] []				7.1

A.4.3 OR descriptor

Item	OR Descriptor	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.3.1	formal-name (OR address)	O R	O ^{a)} M	[] []				7.2
A.4.3.2	free-fom-name (text)	O R	O ^{a)} M	[] []				7.2
A.4.3.3	telephone-number (text)	O R	O ^{a)} M	[] []				7.2

a) At least one shall be supported on origination.

A.4.4 Extension productions

Item	Extentions	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.4.1	ExtensionField	O R	O M	[] []				7.4
A.4.4.1.1	type	O R	M M	[] []				7.4
A.4.4.1.2	criticality	O R	M M	[] []				7.4
A.4.4.1.3	value	O R	M M	[] []				7.4

A.4.5 Voice Messaging protocol structure

Item	VM	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.5.1	heading	O R	M M	[] []				8
A.4.5.2	body	O R	M M	[] []				8

A.4.6 VM heading

Item	Heading	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.6.1	this-VM	O R	M M	[] []				8.1.1
A.4.6.2	originator	O R	M M	[] []				8.1.2
A.4.6.3	recipients	O R	M M	[] []				8.1.3
A.4.6.4	obsoleted-VMs	O R	O O	[] []				8.1.4
A.4.6.5	vm-subject	O R	O M	[] []				8.1.5
A.4.6.6	expiry-time	O R	O O	[] []				8.1.6
A.4.6.7	importance	O R	M M	[] []				8.1.7
A.4.6.8	sensitivity	O R	M M	[] []				8.1.8
A.4.6.9	message-forwarded	O R	C M	[] []	p2			8.1.9
A.4.6.10	vm-forwarding-permitted	O R	M M	[] []				8.1.10
A.4.6.11	language	O R	O O	[] []				8.1.11
A.4.6.12	voice-encoding-type	O R	M M	[] []				8.1.12
A.4.6.12.1	id-bp-g721-32k-adpcm	O R	M M	[] []				8.1.12 and Annex A
A.4.6.12.2	id-bp-private-octet	O R	O O	[] []				8.1.12 and Annex A
A.4.6.12.3	id-bp-undefined-octet	O R	O O	[] []				8.1.12 and Annex A
A.4.6.13	vm-creation-time	O R	O O	[] []				8.1.13
A.4.6.14	vn-receiver-field	O R	O M	[] []				8.1.14
A.4.6.15	vmgs-user-security-elements	O R	O O	[] []				8.1.15
A.4.6.16	heading-extensions	O R	O M	[] []				8.1.16

A.4.6.1 *Per recipient sub field*

Item	RecipientsSubField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.6.1.1	recipient	O R	M M	[] []				8.1.3.1
A.4.6.1.2	vn-requests-field	O R	M M	[] []				8.1.3.2
A.4.6.1.3	attendant-assisted-delivery-request	O R	O C	[] []	p1			8.1.3.3
A.4.6.1.4	recipient-extensions	O R	O M	[] []				8.1.3.4

A.4.6.1.1 *VM Notification Requests*

Item	VMNotificationRequestsField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.6.1.1.1	vm-notification-requests	O R	M M	[] []				8.1.3.2
A.4.6.1.1.1.1	receipt-notice (m)	O R	M M	[] []				8.1.3.2
A.4.6.1.1.1.2	service-notice (sn)	O R	M M	[] []				8.1.3.2
A.4.6.1.1.1.3	non-receipt-notice (nm)	O R	M M	[] []				8.1.3.2
A.4.6.1.1.2	vm-notification-security	O R	O O	[] []				8.1.3.2
A.4.6.1.1.2.1	proof	O R	O M	[] []				8.1.3.2
A.4.6.1.1.2.2	non-repudiation	O R	O M	[] []				8.1.3.2
A.4.6.1.1.3	vm-reception-security	O R	O O	[] []				8.1.3.2
A.4.6.1.1.3.1	proof	O R	O M	[] []				8.1.3.2
A.4.6.1.1.3.2	non-repudiation	O R	O M	[] []				8.1.3.2
A.4.6.1.1.4	vm-notification-extension-requests	O R	M M	[] []				8.1.3.2

A.4.6.1.2 *Recipient Field*

Item	RecipientField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.6.1.2.1	recipient-name	O R	O M	[] []				8.1.3.1
A.4.6.1.2.2	spoken-name	O R	O M	[] []				8.1.3.1 and 7.3

A.4.6.1.3 *VN Receiver Field*

Item	VNReceiverField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.6.1.3.1	vn-receiver-name	O R	M M	[] []				8.1.14
A.4.6.1.3.2	original-vm-identifier	O R	O M	[] []				8.1.14 and 7.1
A.4.6.1.3.3	first-recipient	O R	O M	[] []				8.1.14 and 9.1.3

A.4.6.1.4 *VMGS User Security Elements*

Item	VMGSUserSecurity ElementsField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.6.1.4.1	vmgs-user-security-element	O R	O M	[] []				8.1.1.5
A.4.6.1.4.2	vm-encrypted-primary-bodypart	O R	O M	[] []				8.1.1.5
A.4.6.1.4.3	vmgs-user-security-extensions	O R	O M	[] []				8.1.1.5

A.4.6.2 *Originator field*

Item	OriginatorField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.6.2.1	ORDescriptor	O R	M M	[] []				7.2 and 8.1.2
A.4.6.2.2	originator-spoke-name	O R	O M	[] []				7.3 and 8.1.2

A.4.6.3 *Language*

Item	Language	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.6.3.1	language	O R	O M	[] []				8.1.11

A.4.7 *Body*

Item	Body	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.7.1	primary-body-part	O R	M M	[] []				8
A.4.7.2	additional-body-parts	O R	O M	[] []				8 and 8.2.3

A.4.7.1 *Primary body part*

Item	PrimaryBodyPart	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.7.1.1	vm-body-part (VBodyPart)	O R	M M	[] []				8
A.4.7.1.2	forwarded-VM (VMBodyPart)	O R	C M	[] []	p2			8 and 8.2.2

A.4.7.2 *V body part*

Item	VBodyPart	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.7.2.1	voice parameters	O R	M M	[] []				8.2.1
A.4.7.2.1.1	voice-message-duration	O R	M M	[] []				8.2.1
A.4.7.2.1.2	voice-encoding-type	O R	O O	[] []				8.2.1
A.4.7.2.1.3	other-parameters	O R	O M	[] []				8.2.1
A.4.7.2.1.4	extension-parameters	O R	O O	[] []				8.2.1
A.4.7.2.2	voice data	O R	O M	[] []				8.2.1

A.4.7.3 *Forwarded VM body part*

Item	VBodyPart	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.7.3.1	parameters(MessageParameters)	O R	O M	[] []				8.2.2
A.4.7.3.2	data	O R	O M	[] []				8.2.2

A.4.7.3.1 *Forwarded message parameters*

Item	MessageParameters	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.7.3.1.1	delivery-time	O R	M M	[] []				8.2.2
A.4.7.3.1.2	delivery-envelope	O R	O M	[] []				8.2.2
A.4.7.3.1.3	other-parameters	O R	O M	[] []				8.2.2

A.4.7.3.2 *Forwarded message data*

Item	MessageData	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.7.3.2.1	heading	O R	M M	[] []				8.2.2
A.4.7.3.2.2	body	O R	M M	[] []				8.2.2

A.4.7.4 *Body segment*

Item	BodySegment	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.7.4.1	primary-body-par	O R	M M	[] []				8
A.4.7.4.2	additional-body-parts	O R	O O	[] []				8
A.4.7.4.2.1	VM-ExternallyDefinedBodyPart	O R	O O	[] []				8 and 8.2.3

A.4.8 Voice Messaging notification protocol

Item	VN	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.1	receipt-notification	O R	M M	[] []				9 and 9.2
A.4.8.2	service-notification	O R	M M	[] []				9 and 9.3
A.4.8.3	non-receipt-notification	O R	M M	[] []				9 and 9.4

A.4.8.1 VN common fields

Item	CommonFields	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.1.1	subject-vm	O R	M M	[] []				9.1.1
A.4.8.1.2	vn-originator	O R	M M	[] []				9.1.2
A.4.8.1.3	conversion-indication	O R	O M	[] []				9.1.3
A.4.8.1.4	notice-creation-time	O R	M M	[] []				9.1.4
A.4.8.1.5	notification-security-elements	O R	O O	[] []				9.1.7
A.4.8.1.6	orig-vm-spoken-subject	O R	O M	[] []				9.1.8
A.4.8.1.7	subject-vm-other-recipients	O R	M M	[] []				9.1.9
A.4.8.1.8	vn-supplementary-info	O R	O O	[] []				9.1.10
A.4.8.1.9	vn-voice-encoding-type	O R	M M	[] []				9.1.5
A.4.8.1.9.1	id-bp-g721-32k-adpcm	O R	M M	[] []				8.1.12 and Annex A
A.4.8.1.9.2	id-bp-private-octet	O R	O O	[] []				8.1.12 and Annex A
A.4.8.1.9.3	id-bp-undefined-octet	O R	O O	[] []				8.1.12 and Annex A
A.4.8.1.10	first-recipient	O R	O M	[] []				9.1.3
A.4.8.1.11	notifications-extensions	O R	O M	[] []				9.1.11

A.4.8.1.1 *Security elements field*

Item	SecurityElementsField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.1.1.1	original-content	O R	O M	[] []				9.1.7 and 17.1.2
A.4.8.1.1.2	original-content-integrity-check	O R	O M	[] []				9.1.7 and 17.1.2
A.4.8.1.1.3	vmgs-user-security-elements	O R	O M	[] []				9.1.7 and 17.1.2
A.4.8.1.1.4	security-extensions	O R	O M	[] []				9.1.7 and 17.1.2

A.4.8.1.2 *VN originator field*

Item	VNOriginatorField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.1.2.1	originator-name	O R	M M	[] []				9.1.2
A.4.8.1.2.2	vn-initiator	O R	O M	[] []				9.1.2

A.4.8.2 *Receipt notification fields*

Item	ReceiptNotificationFields	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.2.1	rn-common-fields	O R	M M	[] []				9.1 and 9.2.1
A.4.8.2.2	rn-extensions	O R	O M	[] []				9.2.2

A.4.8.3 *Service notification fields*

Item	ServiceNotificationFields	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.3.1	sn-common-fields	O R	M M	[] []				9.3.1
A.4.8.3.2	sn-reason-code	O R	M M	[] []				9.3.2
A.4.8.3.3	sn-extensions	O R	O M	[] []				9.3.3

A.4.8.3.1 *Service notification reason codes*

Item	SNReasonCode	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.3.1.1	sn-reason-code	O R	M M	[] []				9.3.2
A.4.8.3.1.2	sn-diagnostic	O R	O M	[] []				9.3.2

A.4.8.3.2 *Non-receipt notification fields*

Item	Non-Receipt Notification Fields	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.3.2.1	nrn-common-fields	O R	M M	[] []				9.4 and 9.4.1
A.4.8.3.2.2	nrn-reason-codes	O R	M M	[] []				9.4 and 9.4.2
A.4.8.3.2.3	nrn-extensions	O R	O O	[] []				9.4 and 9.4.3

A.4.8.4 *Non-Receipt reason code*

Item	NRNReasonCodeField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.4.1	nrn-ua-ms-reason-code	O R	M M	[] []				9.4.2
A.4.8.4.2	nrn-user-reason-code	O R	O M	[] []				9.4.2
A.4.8.4.3	nrn-tsau-reason-code	O R	O M	[] []				9.4.2

A.4.8.4.1 *Non-receipt notification reason codes from an VM-UA or VM-MS*

Item	NRNUAMSReasonCodeField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.4.1.1	nrn-ua-ms-basic-codes	O R	M M	[] []				9.4.2
A.4.8.4.1.2	nrn-ua-ms-diagnostics	O R	O M	[] []				9.4.2

A.4.8.4.2 *Non-receipt notification reason codes from a VMG-user*

Item	NRNUserReasonCodeField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.4.2.1	nrn-user-basic-codes	O R	O M	[] []				9.4.2
A.4.8.4.2.2	nrn-user-diagnostics	O R	O M	[] []				9.4.2

A.4.8.4.3 *Non-receipt notification reason codes from a TSAU*

Item	NRNTSAUReasonCodeField	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.4.8.4.3.1	nrn-tsau-basic-codes	O R	O M	[] []				9.4.2
A.4.8.4.3.2	nrn-tsau-diagnostics	O R	O M	[] []				9.4.2

A.5 *Message Store Attributes*

Item	Message Store Attributes	S/M	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.5.1	body	S	M	[]				18.6.4.1
A.5.2	conversion-indication	S	M	[]				18.6.5.1
A.5.3	expiry-time	S	O	[]				18.6.3.2
A.5.4	externally-defined-body-part-types	M	O	[]				18.6.4.4
A.5.5	first-recipient	S	O	[]				18.6.5.1
A.5.6	heading	S	M	[]				18.6.3.1
A.5.7	heading-extensions	M	M	[]				18.6.3.2
A.5.8	importance	S	O	[]				18.6.3.2
A.5.9	language	M	O	[]				18.6.3.2
A.5.10	message-data	S	O	[]				18.6.4.3
A.5.11	message-parameters	S	O	[]				18.6.4.3
A.5.12	notification-security-elements	S	O	[]				18.6.5.1
A.5.13	notification-creation-time	S	O	[]				18.6.5.1
A.5.14	notification-extensions	M	O	[]				18.6.5.1
A.5.15	nrn-extensions	M	O	[]				18.6.5.4

Item	Message Store Attributes	S/M	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.5.16	nrn-tsau-reason-codes	M	O	[]				18.6.5.4
A.5.17	nrn-ua-ms-reason-codes	M	O	[]				18.6.5.4
A.5.18	nrn-user-reason-codes	M	O	[]				18.6.5.4
A.5.19	obsoleted-vm	S	O	[]				18.6.3.2
A.5.20	originator	S	O	[]				18.6.3.2
A.5.21	orig-vm-spoken-subject	S	O	[]				18.6.5.1
A.5.22	recipient-extensions-for-this-recipient	M	O	[]				18.6.3.3
A.5.23	m-extensions	M	O	[]				18.6.5.2
A.5.24	sensitivity	S	O	[]				18.6.3.2
A.5.25	sn-extensions	M	O	[]				18.6.5.3
A.5.26	sn-reason-code	S	O	[]				18.6.5.3
A.5.27	subject-vm	S	M	[]				18.6.5.1
A.5.28	subject-vm-other-recipients	M	O	[]				18.6.5.1
A.5.29	this-vm	S	M	[]				18.6.3.2
A.5.30	this-recipient	S	O	[]				18.6.3.3
A.5.31	v-body-message-length	S	M	[]				18.6.4.2
A.5.32	v-body-part	S	M	[]				18.6.4.3
A.5.33	vm-body-part-sequence-number	S	M	[]				18.6.4.3
A.5.34	vm-creation-time	S	M	[]				18.6.3.2
A.5.35	vm-entry-type	S	M	[]				18.6.1.1
A.5.36	vm-forwarded-indication	S	M	[]				18.6.3.2
A.5.37	vm-forwarding-permitted	S	O	[]				18.6.3.2
A.5.38	vm-notification-indicator	S	O	[]				18.6.2
A.5.39	vm-notification-extension-requests for this-recipient	M	M	[]				18.6.3.3
A.5.40	vm-notification-requests-for-this-recipient	S	M	[]				18.6.3.3
A.5.41	vm-notification-security-requests-for-this-recipient	S	O	[]				18.6.3.3
A.5.42	vm-originator-spoken-name	S	O	[]				18.6.3.2
A.5.43	vm-reception-security-requests for this-recipient	S	O	[]				18.6.3.3
A.5.44	vm-spoken-subject	S	O	[]				18.6.3.2
A.5.45	vm-synopsis	S	O	[]				18.6.1.2
A.5.46	vm-this-recipient-spoken-name	S	O	[]				18.6.3.2
A.5.47	vmgs-user-security-element	S	O	[]				18.6.3.2

Item	Message Store Attributes	S/M	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.5.48	vmgs-user-security-extensions	M	O	[]				18.6.3.2
A.5.49	vn-initiator	S	O	[]				18.6.5.1
A.5.50	vn-originator-text	S	O	[]				18.6.5.1
A.5.51	vn-originator-spoken-name	M	O	[]				18.6.5.1
A.5.52	vn-receiver-field	S	O	[]				18.6.3.2
A.5.53	vn-supplementary-information	S	O	[]				18.6.5.1
A.5.54	vn-voice-encoding-type	S	M	[]				18.6.5.1
A.5.55	voice-encoding-type	S	M	[]				18.6.3.2
A.5.56	voice-message-duration	S	M	[]				18.6.4.2
A.5.57	voice-message-other-parms	S	M	[]				18.6.4.2

A.6 *Message Store Auto-Actions*

Item	VM Auto Actions	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.0.1	vm-auto-forward-actions	UA MS	C C	[] []	p4,p8 p5			18.4
A.6.0.1.1	VMAutoForward RegistrationParameter	UA MS	M M	[] []				18.4
A.6.0.2	vn-auto-sn-action	UA MS	C C	[] []	p4,p8 p5			18.4
A.6.0.2.1	VNSNActionRegistration Parameter	UA MS	M M	[] []				18.5

A.6.1 *Message Store Auto Action (Forwarding) registration parameter*

Item	VM Action Registration Parameter	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.1.1	filter	UA MS	M M	[] []				18.4
A.6.1.2	vm-supplementary-info	UA MS	O O	[] []				18.4
A.6.1.3	delete-after-forwarding	UA MS	O O	[] []				18.4
A.6.1.4	vm-action-mode	UA MS	C M	[] []	p8			18.4

A.6.1.1 *VM Forwarding action mode*

Item	vm-action-mode	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.1.1.1	forwarding-with-message-not-accepted	UA MS	O M	[] []				18.4
A.6.1.1.2	forwarding-with-responsibility-accepted	UA MS	O M	[] []				18.4
A.6.1.1.3	forwarding-with-no-VNs	UA MS	C M	[] []				18.4

A.6.2 *Auto action registration parameters for forwarding with responsibility not accepted*

Item	ForwardWithRespNotAccepted	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.2.1	PerMessageAutoForwardFields	UA MS	O M	[] []				18.4.1 d)
A.6.2.1.1	OriginatorName	UA MS	C M	[] []	p10			
A.6.2.1.2	ContentIdentifier	UA MS	C M	[] []	p10			
A.6.2.1.3	Priority	UA MS	C M	[] []	p10			
A.6.2.1.4	PerMessageIndicators	UA MS	C M	[] []	p10			
A.6.2.1.5	DeferredDeliveryTime	UA MS	C M	[] []	p10			
A.6.2.1.6	PerMessageSubmissionExtensions	UA MS	C O	[] []	p10			
A.6.2.2	per-recipient-no-accept-arguments	UA MS	C C	[] []	p4 p5			18.4.1 e) 17.3.3.1
A.6.2.2.1	per-recipients-field	UA MS	M M	[] []				18.4.2 e)
A.6.2.2.1.1	OriginatorReportRequest	UA MS	C M	[] []	p10			
A.6.2.2.1.2	ExplicitConversion	UA MS	C M	[] []	p10			
A.6.2.2.1.3	PerRecipientMessageSubmissionExtensions	UA MS	O M	[] []				
A.6.2.2.2	heading-fields	UA MS	O M	[] []				18.4.2 g)
A.6.2.2.2.1	next-recipient	UA MS	O M	[] []				18.6
A.6.2.2.2.2	next-recipient-vn-requests-field	UA MS	O M	[] []				18.6

Item	ForwardWithRespNotAccepted	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.2.2.2.3	next-message-forwarding-permitted	UA MS	O C	[] []	p8			18.6
A.6.2.3	notification-argument	UA MS	C M	[] []	p7			18.4.1 f)
A.6.2.3.1	PerMessageAutoForwardFields	UA MS	C M	[] []	p10			18.6
A.6.2.3.1.1	OriginatorName	UA MS	C M	[] []	p10			
A.6.2.3.1.2	ContentIdentifier	UA MS	C M	[] []	p10			
A.6.2.3.1.3	Priority	UA MS	C M	[] []	p10			
A.6.2.3.1.4	PerMessageIndicators	UA MS	C M	[] []	p10			
A.6.2.3.1.5	DeferredDeliveryTime	UA MS	C M	[] []	p10			
A.6.2.3.1.6	PerMessagesubmissionExtensions	UA MS	O O	[] []				
A.6.2.3.2	per-recipients-field	UA MS	M M	[] []				18.4.2 e)
A.6.2.3.2.1	RecipientName	UA MS	C M	[] []	p10			
A.6.2.3.2.2	OriginatorReportRequest	UA MS	C M	[] []	p10			
A.6.2.3.2.3	ExplicitConversion	UA MS	C M	[] []	p10			
A.6.2.3.2.4	PerRecipientMessageSubmission Extensions	UA MS	O M	[] []				

A.6.3 *Auto action registration parameters for forwarding with responsibility accepted*

Item	ForwardWithRespAccepted	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.3.1	PerMessageAutoForwardFields	UA MS	M M	[] []				18.4.2. d)
A.6.3.1.1	OriginatorName	UA MS	C M	[] []	p10			
A.6.3.1.2	ContentIdentifier	UA MS	C M	[] []	p10			
A.6.3.1.3	Priority	UA MS	C M	[] []	p10			

Item	ForwardWithRespAccepted	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.3.1.4	PerMessageIndicators	UA MS	C M	[] []	p10			
A.6.3.1.5	DeferredDeliveryTime	UA MS	C M	[] []	p10			
A.6.3.1.6	PerMessageSubmissionExtensions	UA MS	C O	[] []	p10			
A.6.3.2	notification-argument	UA MS	M M	[] []				18.4.2 f) 5.1.2 (H)
A.6.3.2.1	PerMessageAutoForwardFields	UA MS	O C	[] []	p8			18.6
A.6.3.2.1.1	OriginatorName	UA MS	C M	[] []	p10			
A.6.3.2.1.2	ContentIdentifier	UA MS	C M	[] []	p10			
A.6.3.2.1.3	Priority	UA MS	C M	[] []	p10			
A.6.3.2.1.4	PerMessageIndicators	UA MS	C M	[] []	p10			
A.6.3.2.1.5	DeferredDeliveryTime	UA MS	C M	[] []	p10			
A.6.3.2.1.6	PerMessageSubmissionExtensions	UA MS	O O	[] []				
A.6.3.2.2	per-recipients-field	UA MS	M M	[] []				18.4.2 e)
A.6.3.2.2.1	OriginatorReportRequest	UA MS	C M	[] []	p10			
A.6.3.2.2.2	ExplicitConversion	UA MS	C M	[] []	p10			
A.6.3.2.2.3	PerRecipientMessageSubmission Extensions	UA MS	O M	[] []				
A.6.3.3	per-recipient-arguments	UA MS	M M	[] []				18.4.2 f) 5.1.2 (H)
A.6.3.3.1	per-recipients-field	UA MS	M M	[] []				18.4.2 e)
A.6.3.3.1.1	RecipientName	UA MS	C M	[] []	p10			
A.6.3.3.1.2	OriginatorReportRequest	UA MS	C M	[] []	p10			
A.6.3.3.1.3	ExplicitConversion	UA MS	C M	[] []	p10			
A.6.3.3.1.4	PerRecipientMessageSubmission Extensions	UA MS	C M	[] []	p10			
A.6.3.3.2	heading-fields	UA MS	O M	[] []				18.4.2 g)

Item	ForwardWithRespAccepted	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.3.3.2.1	next-recipient	UA MS	O M	[] []				18.6
A.6.3.3.2.2	next-recipient-vn-requests-field	UA MS	O M	[] []				18.6
A.6.3.3.2.3	next-message-forwarding-permitted	UA MS	O C	[] []	p8			18.6
A.6.3.3.3	new-vn-receiver-name	UA MS	M M	[] []				18.6

A.6.4 Auto action registration parameters for forwarding without generating VNs

Item	ForwardWithNoVNs	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.4.1	PerMessageAutoForwardFields	UA MS	M M	[] []				18.4.2
A.6.4.1.1	OriginatorName	UA MS	C M	[] []	p10			
A.6.4.1.2	ContentIdentifier	UA MS	C M	[] []	p10			
A.6.4.1.3	Priority	UA MS	C M	[] []	p10			
A.6.4.1.4	PerMessageIndicators	UA MS	C M	[] []	p10			
A.6.4.1.5	DeferredDeliveryTime	UA MS	C M	[] []	p10			
A.6.4.1.6	PerMessageSubmissionExtensions	UA MS	O O	[] []				
A.6.4.2	per-recipient-arguments	UA MS	M M	[] []				18.4.2
A.6.4.2.1	per-recipients-p1-info (PerRecipientAutoForwardFields)	UA MS	M M	[] []				18.4.2
A.6.4.2.1.1	RecipientName	UA MS	C M	[] []	p10			
A.6.4.2.1.2	OriginatorReportRequest	UA MS	C M	[] []	p10			
A.6.4.2.1.3	ExplicitConversion	UA MS	C M	[] []	p10			
A.6.4.2.1.4	PerRecipientMessageSubmission Extensions	UA MS	O M	[] []				
A.6.4.2.2	vm-heading-fields	UA MS	O M	[] []				18.4.2

Item	ForwardWithNoVNs	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.4.2.2.1	next-recipient	UA MS	O M	[] []				18.6
A.6.4.2.2.2	next-recipient-vn-requests-field	UA MS	O M	[] []				18.6
A.6.4.2.2.3	next-message-forwarding-permitted	UA MS	O C	[] []	p8			18.6
A.6.4.2.3	new-vn-receiver-name	UA MS	M M	[] []				18.4.2

A.6.5 VM Auto SN Action

Item	VNSNAction RegistrationParameter	AE	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.6.5.1	filter	UA MS	M M	[] []				18.5
A.6.5.2	vn-service-notice-info	UA MS	M M	[] []				18.5
A.6.5.2.1	notification-argument (SNReasonCode)	UA MS	M M	[] []				18.5
A.6.5.2.2	sn-supplementary-info	UA MS	O O	[] []				18.5
A.6.5.2.3	extensions	UA MS	O O	[] []				18.5

A.7 P1 Support

A.7.1 Content type support

Item	Content type	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.7.1.1	id-mct-pvm	O R	C C	[] []	p7 p11			19.2
A.7.1.2	Integer 40	O R	M M	[] []				19.2

A.7.2 *Encoded information type (EIT) support*

Item	EITs	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.7.2.1	id-bp-g721-32k-adpcm	O R	M M	[] []				19.4
A.7.2.2	id-bp-private-octet	O R	O O	[] []				19.4
A.7.2.3	id-bp-undefined-octet	O R	O O	[] []				19.4

A.7.3 *Per message parameter bits*

Item	PerMessageParameters	O/R	D	I	Note	Range of values	Values supported	Reference to Rec. X.440 (§)
A.7.3.1	RN Indicator (Notification Type 1)	O R	O M	[] []				19.4
A.7.3.2	NRN Indicator (Notification Type 2)	O R	O M	[] []				
A.7.3.3	SN Indicator (Notification Type 3)	O R	O M	[] []				

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