



UNIÓN INTERNACIONAL DE TELECOMUNICACIONES

UIT-T

SECTOR DE NORMALIZACIÓN
DE LAS TELECOMUNICACIONES
DE LA UIT

X.738

Enmienda 1
(10/96)

SERIE X: REDES DE DATOS Y COMUNICACIÓN
ENTRE SISTEMAS ABIERTOS

Gestión de interconexión de sistemas abiertos

Tecnología de la información – Interconexión de
sistemas abiertos – Gestión de sistemas:
Función de sumario

**Enmienda 1: Formularios de declaración
de conformidad de implementación**

Recomendación UIT-T X.738 – Enmienda 1

(Anteriormente «Recomendación del CCITT»)

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PREFACIO

La UIT (Unión Internacional de Telecomunicaciones) es el organismo especializado de las Naciones Unidas en el campo de las telecomunicaciones. El UIT-T (Sector de Normalización de las Telecomunicaciones de la UIT) es un órgano permanente de la UIT. En el UIT-T, que es la entidad que establece normas mundiales (Recomendaciones) sobre las telecomunicaciones, participan unos 179 países miembros, 84 empresas de explotación de telecomunicaciones, 145 organizaciones científicas e industriales y 38 organizaciones internacionales.

Las Recomendaciones las aprueban los Miembros del UIT-T de acuerdo con el procedimiento establecido en la Resolución N.º 1 de la CMNT (Helsinki, 1993). Adicionalmente, la Conferencia Mundial de Normalización de las Telecomunicaciones (CMNT), que se celebra cada cuatro años, aprueba las Recomendaciones que para ello se le sometan y establece el programa de estudios para el periodo siguiente.

En ciertos sectores de la tecnología de la información que corresponden a la esfera de competencia del UIT-T, se preparan las normas necesarias en colaboración con la ISO y la CEI. El texto de la Recomendación UIT-T X.738, Enmienda 1, se aprobó el 5 de octubre de 1996. Su texto se publica también, en forma idéntica, como Norma Internacional ISO/CEI 10164-13.

NOTA

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

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Resumen

La Rec. UIT-T X.738 ISO/CEI 10164-13 ofrece numerosas opciones entre las que pueden elegir los implementadores al desarrollar un producto. Esto significa que un producto sistema de operaciones (OS, *operations system*) de un vendedor que necesite interfuncionar con otro producto OS de otro vendedor debe ser desarrollado con un cierto grado de común y explícito acuerdo por parte de ambos diseñadores a propósito de las opciones efectivas que han de estar presentes en los productos de soporte lógico para mensajes basados en la Recomendación X.738. Esta Enmienda proporciona un procedimiento para especificar opciones de mensajes de manera tal que la documentación que se escriba para las opciones finalmente elegidas pueda ser más explícita. Gracias a ello se reducirá el tiempo que se necesita para efectuar las pruebas de interoperabilidad entre el OS de un vendedor y el OS de otro vendedor, ya que, a quienes desarrollan los productos, se les podrá dar una especificación de mensajes más explícita.

NORMA INTERNACIONAL

RECOMENDACIÓN UIT-T

TECNOLOGÍA DE LA INFORMACIÓN – INTERCONEXIÓN DE SISTEMAS ABIERTOS – GESTIÓN DE SISTEMAS: FUNCIÓN DE SUMARIO

ENMIENDA 1

Formularios de declaración de conformidad de implementación

1) Subcláusula 2.1

Añadir la siguiente referencia:

- «– Recomendación UIT-T X.724 (1993) | ISO/CEI 10165-6:1994, *Tecnología de la información – Interconexión de sistemas abiertos – Estructura de la información de gestión: Requisitos y directrices para los formularios de declaración de conformidad de implementación asociados con la gestión de interconexión de sistemas abiertos.*»

2) Subcláusula 2.2

Añadir las siguientes referencias:

- «– Recomendación X.291 del CCITT (1992), *Metodología y marco de las pruebas de conformidad de interconexión de sistemas abiertos de las Recomendaciones sobre los protocolos para aplicaciones del CCITT – Especificación de sucesiones de pruebas abstractas.*
- ISO/CEI 9646-2:1994, *Information technology – Open Systems Interconnection – Conformance testing methodology and framework – Part 2: Abstract test suite specification.*
- Recomendación UIT-T X.296 (1995), *Metodología y marco de las pruebas de conformidad de interconexión de sistemas abiertos de las Recomendaciones sobre los protocolos para aplicaciones del UIT-T: Declaraciones de conformidad de implementación.*
- ISO/CEI 9646-7:1995, *Information technology – Open Systems Interconnection – Conformance testing methodology and framework – Part 7: Implementation Conformance Statements.*»

3) Subcláusula 3.3

Insertar los términos siguientes:

- «e) declaración de conformidad de objeto gestionado (MOCS, *managed object conformance statement*);
- f) declaración de conformidad de información de gestión (MICS, *management information conformance statement*);
- k) formulario de MICS;
- l) formulario de MOCS.»

Suprimir los ítems c): «conformidad dependiente» y d): «conformidad general».

Asignar las letras correctas a la lista y disponerla por orden alfabético.

4) Subcláusula 3.7

Añadir las definiciones siguientes:

- b) «formulario de PICS;
- c) declaración de conformidad de implementación de protocolo.»

Reemplazar el guión «—» del término *alarma* por «a».

5) Subcláusula 3.9

Añadir la siguiente subcláusula nueva después de 3.8:

«3.9 Definiciones de formularios de declaración de conformidad de implementación

La presente Recomendación | Norma Internacional utiliza los siguientes términos definidos en la Rec. UIT-T X.724 | ISO/CEI 10165-6:

- a) Resumen de conformidad de gestión (MCS, *management conformance summary*).
- b) Declaración de conformidad de relación gestionada (MRCS, *managed relationship conformance statement*).
- c) Formulario de MCS.
- d) Formulario de MRCS.»

Las subcláusulas que figuran a continuación de la nueva subcláusula 3.9 se deberán reenumerar en consecuencia.

6) Cláusula 4

Insértense, por orden alfabético las siguientes abreviaturas en la lista de abreviaturas existente:

«ICS	Declaración de conformidad de implementación (<i>implementation conformance statement</i>)
MCS	Resumen de conformidad de gestión (<i>management conformance summary</i>)
MICS	Declaración de conformidad de información de gestión (<i>management information conformance statement</i>)
MIDS	Declaración de definición de información de gestión (<i>management information definition statement</i>)
MRCS	Declaración de conformidad de relación gestionada (<i>managed relationship conformance statement</i>)»

7) Cláusula 13

Reemplazar la cláusula 13 por lo siguiente:

«13 Conformidad

Las implementaciones que se declaren conformes a esta Recomendación | Norma Internacional cumplirán los requisitos de conformidad definidos en las subcláusulas siguientes.

13.1 Conformidad estática

La implementación será conforme a los requisitos de esta Recomendación | Norma Internacional en el rol de gestor, el rol de agente, o en ambos roles. En el Cuadro B.1 se hará una declaración de conformidad con por lo menos uno de los roles.

Si se hace una declaración de conformidad en el rol de gestor, la implementación soportará por lo menos una operación o notificación o acción de gestión de los objetos gestionados especificados por esta Recomendación | Norma Internacional. Los requisitos de conformidad en el rol de gestor para dichas operaciones y notificaciones y acciones de gestión figuran en el Cuadro B.3 y en los demás cuadros mencionados en el Anexo B.

Si se hace una declaración de conformidad en el rol de agente, la implementación soportará una o más instancias de las clases de objeto gestionado que figuran en el Cuadro B.4 y en los demás cuadros mencionados en el Anexo B.

La implementación soportará la sintaxis de transferencia derivada de las reglas de codificación especificadas en la Rec. X.209 del CCITT | ISO/CEI 8825 denominada {joint-iso-ccitt asn1(1) basicEncoding(1)} para los tipos de datos abstractos referenciados por las definiciones para las cuales se declara soporte.

13.2 Conformidad dinámica

Las implementaciones que se declaren conformes a esta Recomendación | Norma Internacional soportarán los elementos de procedimiento y las definiciones de semántica correspondientes a las definiciones para las que se declara soporte.

13.3 Requisitos de las declaraciones de conformidad de implementación de gestión

Todo formulario de MCS, MICS, MOCS y MRCS conforme a esta Recomendación | Norma Internacional será técnicamente idéntico a los formularios especificados en los Anexos B a O, conservando la numeración de las tablas y los números índice de los elementos, y diferenciándose únicamente en la paginación y los encabezamientos de página.

El proveedor de una implementación que se declare conforme a esta Recomendación | Norma Internacional completará un ejemplar del resumen de conformidad de gestión (MCS, *management conformance summary*) proporcionado en el Anexo B como parte de los requisitos de conformidad, junto con cualesquiera otros formularios ICS a que se haga referencia como aplicables en el MCS. Un ICS conforme a la presente Recomendación | Norma Internacional deberá:

- describir una implementación conforme a esta Recomendación | Norma Internacional;
- haber sido completado de conformidad con las instrucciones que figuran en la Rec. UIT-T X.724 | ISO/CEI 10165-6;
- incluir la información necesaria para identificar de manera única tanto el proveedor como la implementación.

Las declaraciones de conformidad con la información de gestión definida en esta Recomendación | Norma Internacional en clases de objeto gestionado definidas en otros sitios incluirán los requisitos del formulario de MIDS en el formulario de MOCS para la clase de objeto gestionado.

8) Anexos nuevos

Añadir los siguientes anexos nuevos después del Anexo A.

Anexo B

Formulario de MCS¹⁾

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

B.1 Introduction

B.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.

B.1.2 Instructions for completing the MCS proforma to produce an MCS²⁾

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.

B.1.3 Symbols, abbreviations and terms

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

- m Mandatory;
- o Optional;
- c Conditional;
- x Prohibited;
- Not applicable or out of scope.

NOTES

1 'c', 'm', and 'o' are prefixed by a 'c:' when nested under a conditional or optional item of the same table.

2 'o' may be suffixed by '.N' (where N is a unique number) for mutually exclusive or selectable options among a set of status values. Support of at least one of the choices (from the items with the same values of N) is required.

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

- Y Implemented;
- N Not implemented;
- No answer required;
- Ig The item is ignored (i.e. processed syntactically but not semantically).

B.1.4 Table format

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

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

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

¹⁾ Comunicado sobre derechos de autor del formulario de MCS

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

²⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MCS.

When a table with sub-rows is too wide to fit on a page, the continuation tables(s) have been constructed with index numbers identical to the index numbers in the corresponding rows of the first table, and with sub-index numbers corresponding to the sub-rows within each indexed row. For example, if Table X.1 has 2 rows and the continuation of Table X.1 has 2 sub-rows 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 (continued) – 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 tabled. In the example, above, the reference X.1/1d corresponds to the blank cell in the column G for row with Index 1, and X.1/1.2b corresponds to the blank cell in column L for row with Sub-index 1.2.

B.2 Identification of the implementation

B.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

B.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.

--

B.2.3 Contact

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

--

B.3 Identification of the Recommendation | International Standard in which the management information is defined

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

Recommendation International Standard to which conformance is claimed

B.3.1 Technical corrigenda implemented

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

--

B.3.2 Amendments implemented

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

--

B.4 Management conformance summary

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

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

Table B.1 – Roles

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

The supplier of the implementation shall specify support for the systems management functional units in Table B.2.

Table B.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Status	Support	Status	Support	
1	Scan stimulation functional unit	c1		c2		
2	Summarization event reporting functional unit	c1		c2		
c1: if B.1/1a then o else – c2: if B.1/2a then o else –						

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

Table B.3 – Manager role minimum conformance requirement

Index	Item	Status	Support	Additional information
1	Operations on managed objects	c3		
2	Buffered scan report notification	c4		
3	Scan report notification	c4		
4	Statistical report notification	c4		
5	Activate dynamic simple scan report action	c5		
6	Activate scan report action	c5		
7	Activate statistical report action	c5		
8	Report buffer action	c5		
9	Object creation notification from at least one summarization managed objects	c3		
10	Object deletion notification from at least one summarization managed objects	c3		
11	Attribute value change notification from at least summarization managed objects	c3		
12	State change notification from at least one summarization managed objects	c3		
c3: if B.1/1a then o.2 else – c4: if B.2/2a then o.3 else (if B.1/1a then o.2 else –) c5: if B.2/1a then o.4 else (if B.1/1a then o.2 else –)				

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

Table B.4 – Agent role minimum conformance requirement

Index	Item	Status	Support	Additional information
1	Heterogeneous scanner managed object	c6		
2	Buffered scanner managed object	c6		
3	Simple scanner managed object	c6		
4	Mean scanner managed object	c6		
5	Mean variance scanner managed object	c6		
6	Min max scanner managed object	c6		
7	Percentile scanner managed object	c6		
8	Dynamic simple scanner managed object	c6		
c6: if B.1/2a then o.5 else –				

Table B.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	c7		
c7: if B.1/2a then o else –				

NOTE 1 – Conformance to this Recommendation | International Standard does not require conformance to CCITT Rec. X.735 | ISO/IEC 10164-6.

The supplier of the implementation shall provide information on claims of conformance to any of the Recommendation | International Standards summarized in Tables B.6 to B.9. For each 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 B.6 to B.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.

NOTE 2 – Conformance to the MAPDUs defined in this Recommendation | International Standard can be claimed by completing the corresponding tables in the MICS and MOCS annexes of the referenced Recommendation | International Standard.

Table B.6 – 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 ISO/IEC 10164-1	Annex E all tables	Systems management application context	–	o ^{a)}			
a) The supplier of implementation shall indicate the application contexts supported.								

Table B.7 – 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 number of MOCS	Additional information
1	CCITT Rec. X.730 ISO/IEC 10164-1	Annex C all tables	objectCreation objectDeletion attributeValue Change records	–	c8			
2	CCITT Rec. X.731 ISO/IEC 10164-2	Annex C all tables	stateChange Record	–	c8			
3	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex D all tables	heterogeneous Scanner	–	c9			
4	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex E all tables	bufferedScanner	–	c10			
5	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex F all tables	simpleScanner	–	c11			
6	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex G all tables	meanScanner	–	c12			
7	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex H all tables	meanVariance Scanner	–	c13			
8	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex I all tables	minMaxScanner	–	c14			
9	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex J all tables	percentileScanner	–	c15			
10	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex K all tables	dynamicSimple Scanner	–	c16			
11	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex L all tables	bufferedScan ReportRecord	–	c17			
12	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex M all tables	scanReportRecord	–	c18			
13	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex N all tables	statisticalReport Record	–	c19			
c8: if (B.4/1a or B.4/2a or B.4/3a or B.4/4a or B.4/5a or B.4/6a or B.4/7a) and B.5/1a then m else – c9: if B.4/1a then m else – c10: if B.4/2a then m else – c11: if B.4/3a then m else – c12: if B.4/4a then m else – c13: if B.4/5a then m else – c14: if B.4/6a then m else – c15: if B.4/7a then m else – c16: if B.4/8a then m else – c17: if B.1/2a and B.4/2a and B.5/1a then m else – c18: if B.1/2a and (B.4/1a or B.4/3a) and B.5/1a then m else – c19: if B.1/2a and (B.4/4a or B.4/5a or B.4/6a or B.4/7a) and B.5/1a then m else –								

Table B.8 – 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	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex O, O.1/1	dynamicSimple Scanner-system	–	c20			
2	ITU-T Rec. X.738 ISO/IEC 10164-13	Annex O, O.1/2	conflictingPackages Scanner-system	–	c21			
3	CCITT Rec. X.735 ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	–	c22			
c20: if B.4/8a then m else – c21: if B.4/1a or B.4/2a or B.4/3a or B.4/4a or B.4/5a B.4/6a or B.4/7a then m else – c22: if B.5/1a then m else –								

Table B.9 – MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Status	Support	Table numbers of MICS	Additional information
1	ITU-T Rec. X.738 ISO/IEC 10164-13	Table C.1 to C.10	Management oprations	–	c23			
2	CCITT Rec. X.730 ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	–	c24			
3	CCITT Rec. X.731 ISO/IEC 10164-2	Table B.1	stateChange notification	–	c25			
4	ITU-T Rec. X.738 ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	–	c26			
5	ITU-T Rec. X.738 ISO/IEC 10164-13	Table C.12	Actions	–	c27			
c23: if B.3/1a then m else – c24: if B.3/9a or B.3/10a or B.3/11a then m else – c25: if B.3/12a then m else – c26: if B.3/2a or B.3/3a or B.3/4a then m else – c27: if B.3/5a or B.3/6a or B.3/7a or B.3/8a then m else –								

Anexo C

Formulario de MICS³⁾

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

C.1 Introduction

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

C.2 Instructions for completing the MICS proforma to produce a MICS

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

C.3 Symbols, abbreviations and terms

The following abbreviations are used throughout the MICS proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-not	joint-iso-ccitt ms(9) smi(3) part2(2) notification(10)
summ-att	joint-iso-ccitt ms(9) function(2) part13(13) attribute(7)
summ-not	joint-iso-ccitt ms(9) function(2) part13(13) notification(10)
summ-act	joint-iso-ccitt ms(9) function(2) part13(13) action(9)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)

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

C.4 Statement of conformance to the management information

C.4.1 Attributes

The specifier of a manager role implementation that claims to support management operations on the attributes specified in this Recommendation | International Standard shall import a copy of Table C.1 and complete it.

Table C.1 – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	–	c1		o.6		–	
2	nameBinding	{dmi-att 63}	–	c1		o.6		–	
3	packages	{dmi-att 66}	–	c1		o.6		–	

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³⁾ **Comunicado sobre derechos de autor del formulario de MICS**

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

Table C.1 (continued) – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
4	allomorphs	{dmi-att 50}	–	c1		o.6		–	
5	scannerId	{moa-att 25}	–	c1		o.6		–	
6	granularityPeriod	{moa-att 23}	–	c1		o.6		o.6	
7	administrativeState	{dmi-att 31}	–	c1		o.6		o.6	
8	operationalState	{dmi-att 35}		–		o.6		–	
9	availabilityStatus	{dmi-att 33}	off-duty required	–		o.6		–	
10	periodSynchronizationTime	{moa-att 24}	–	c2		o.6		o.6	
11	startTime	{dmi-att 68}	–	c2		o.6		o.6	
12	stopTime	{dmi-att 69}	DMI default	c2		o.6		o.6	
13	intervalsOfDay	{dmi-att 57}	DMI default	c2		o.6		o.6	
14	weekMask	{dmi-att 71}	DMI default	c2		o.6		o.6	
15	schedulerName	{dmi-att 67}	–	c2		o.6		–	
16	observationIdList	{summ-att 13}	–	c2		o.6		o.6	
17	onceReportAttributeIdList	{summ-att 16}	–	c3		o.6		o.6	
18	suppressObjectInstance	{summ-att 26}	–	c2		o.6		o.6	
19	timeStampReportMode	{summ-att 29}	timeStamping Off default	c2		o.6		o.6	
20	bufferedObservationIdList	{summ-att 5}	–	c4		o.6		o.6	
21	reportPeriod	{summ-att 19}	–	c4		o.6		o.6	
22	baseManagedObject	{summ-att 3}	–	c5		o.6		o.6	
23	scope	{summ-att 25}	–	c5		o.6		o.6	
24	scanningFilter	{summ-att 24}	–	c5		o.6		o.6	
25	beginTimeOffset	{summ-att 4}	–	c5		o.6		o.6	
26	endTimeOffset	{summ-att 7}	–	c5		o.6		o.6	
27	timeAttributeIdentifier	{summ-att 28}	–	c5		o.6		o.6	
28	objectList	{summ-att 12}	–	c5		o.6		o.6	
29	numericAttributeIdArray	{summ-att 10}	–	c6		o.6		o.6	
30	numericAttributeIdList	{summ-att 11}	–	c7		o.6		o.6	
31	configurablePCT	{moa-att 0}	–	c8		o.6		o.6	

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Table C.1 (continued) – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
32	logRecordId	{dmi-att 3}	–	–		o.6		–	
33	loggingTime	{dmi-att 59}	–	–		o.6		–	
34	managedObjectClass	{dmi-att 60}	–	–		o.6		–	
35	managedObjectInstance	{dmi-att 61}	–	–		o.6		–	
36	eventType	{dmi-att 14}	–	–		o.6		–	
37	eventTime	{dmi-att 13}	–	–		o.6		–	
38	notificationIdentifier	{dmi-att 16}	–	–		o.6		–	
39	correlatedNotifications	{dmi-att 12}	–	–		o.6		–	
40	additionalText	{dmi-att 7}	–	–		o.6		–	
41	additionalInformation	{dmi-att 6}	–	–		o.6		–	
42	granularityPeriod	{moa-att 23}	–	–		o.6		–	
43	bufferedObservationList	{summ-att 6}	–	–		o.6		–	
44	firstScanInitiationTime	{summ-att 8}	–	–		o.6		–	
45	suspectIntervals	{summ-att 27}	–	–		o.6		–	
46	incompleteScan	{summ-att 30}	–	–		o.6		–	
47	observationScanList	{summ-att 15}	–	–		o.6		–	
48	scanInitiationTime	{summ-att 22}	–	–		o.6		–	
49	onceReportAttributeList	{summ-att 17}	–	–		o.6		–	
50	algorithmOutputs	{summ-att 1}	–	–		o.6		–	
51	observationReportList	{summ-att 14}	–	–		o.6		–	
52	algorithmParameters	{summ-att 2}	–	–		o.6		–	

Table C.1 (continued) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	–		–		–		
2	–		–		–		
3	–		–		–		
4	–		–		–		

(continued on next page)

Table C.1 (continued) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
5	–		–		–		
6	–		–		–		
7	–		–		–		
8	–		–		–		
9	–		–		–		
10	–		–		–		
11	o.6		o.6		o.6		
12	–		–		o.6		
13	o.6		o.6		o.6		
14	o.6		o.6		o.6		
15	–		–		–		
16	o.6		o.6		–		
17	o.6		o.6		–		
18	–		–		–		
19	–		–		o.6		
20	o.6		o.6		–		
21	–		–		–		
22	–		–		–		
23	–		–		–		
24	–		–		o.6		
25	–		–		–		
26	–		–		–		
27	–		–		–		
28	o.6		o.6		–		
29	–		–		–		
30	o.6		o.6		–		
31	–		–		–		
32	–		–		–		
33	–		–		–		
34	–		–		–		

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Table C.1 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
35	–		–		–		
36	–		–		–		
37	–		–		–		
38	–		–		–		
39	–		–		–		
40	–		–		–		
41	–		–		–		
42	–		–		–		
43	–		–		–		
44	–		–		–		
45	–		–		–		
46	–		–		–		
47	–		–		–		
48	–		–		–		
49	–		–		–		
50	–		–		–		
51	–		–		–		
52	–		–		–		
c1: if C.2/1a or C.3/1a or C.4/1a or C.5/1a or C.6/1a or C.7/1a or C.8/1a or C.9/1a then m else – c2: if C.2/1a or C.3/1a or C.4/1a or C.5/1a or C.6/1a or C.7/1a or C.8/1a then m else – c3: if C.2/1a or C.4/1a then m else – c4: if C.3/1a then m else – c5: if C.4/1a or C.5/1a or C.6/1a or C.7/1a or C.8/1a then m else – c6: if C.4/1a then m else – c7: if C.5/1a or C.6/1a or C.7/1a or C.8/1a then m else – c8: if C.8/1a then m else –							

C.4.2 Create and delete management operations

The specifier of a manager role implementation that claims to support the create or delete management operations on the managed objects specified in this Recommendation | International Standard shall import a copy of Tables C.2 to C.10 and complete them.

C.4.2.1 Heterogeneous scanner managed object class**Table C.2 – Create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	–	o.6		
1.1	Create with reference object	–	c:o		
2	Delete support	–	o.6		

C.4.2.2 Buffered scanner managed object class**Table C.3 – Create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	–	o.6		
1.1	Create with reference object	–	c:o		
2	Delete support	–	o.6		

C.4.2.3 Simple scanner managed object class**Table C.4 – Create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	–	o.6		
1.1	Create with reference object	–	c:o		
2	Delete support	–	o.6		

C.4.2.4 Mean scanner managed object class**Table C.5 – Create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	–	o.6		
1.1	Create with reference object	–	c:o		
2	Delete support	–	o.6		

C.4.2.5 Mean variance scanner managed object class**Table C.6 – Create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	–	o.6		
1.1	Create with reference object	–	c:o		
2	Delete support	–	o.6		

C.4.2.6 Min max scanner managed object class**Table C.7 – Create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	–	o.6		
1.1	Create with reference object	–	c:o		
2	Delete support	–	o.6		

C.4.2.7 Percentile scanner managed object class**Table C.8 – Create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	–	o.6		
1.1	Create with reference object	–	c:o		
2	Delete support	–	o.6		

C.4.2.8 Dynamic simple scanner managed object class**Table C.9 – Create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	–	o.6		
1.1	Create with reference object	–	c:o		
2	Delete support	–	o.6		

C.4.2.9 Event record managed object classes**Table C.10 – Create and delete support**

Index	Operation	Constraints and values	Status	Support	Additional information
1	Create support	–	x		
1.1	Create with reference object	–	–		
2	Delete support	bufferedScanReportRecord, scanReportRecord and statisticalScanReportRecord	o.6		

C.4.3 Notifications

The specifier of a manager role implementation that claims to support the notifications specified in this Recommendation | International Standard shall import a copy of Table C.11 and complete it.

Table C.11 – Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information
					Confirmed	Non-confirmed	
1	bufferedScanReport	{summ-not 1}	–	c13			
2	scanReport	{summ-not 2}	–	c14			
3	statisticalReport	{summ-not 3}	–	c15			
c13: if B.3/2a then m else – c14: if B.3/3a then m else – c15: if B.3/4a then m else –							

(continued below)

Table C.11 (continued) – 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	granularityPeriod	{moa-att 23}	–	m		
	1.2	firstScanInitiationTime	{summ-att 8}	–	m		
	1.3	suspectIntervals	{summ-att 27}	–	m		
	1.4	bufferedObservationList	{summ-att 6}	–	m		
	1.4.1	objectInstance	–	–	m		
	1.4.1.1	distinguishedName	–	–	m		
	1.4.1.2	nonSpecificForm	–	–	m		
	1.4.1.3	localDistinguishedName	–	–	m		
	1.4.2	reportTimeAttributeList	–	–	m		
	1.4.2.1	attributeId	–	–	m		
	1.4.2.2	attributeValue	–	–	m		
	1.4.2.3	timeStamp	–	–	m		
	1.4.2.4	suspectFlag	–	Default FALSE	m		
	1.4.3	attributesBuffer	–	–	m		
	1.4.3.1	attributeId	–	–	m		
	1.4.3.2	attributeValue	–	–	m		
	1.4.3.3	timeStamp	–	–	m		
	1.4.3.4	suspectFlag	–	Default FALSE	m		
	1.4.4	numericAttributesBuffer	–	–	m		

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Table C.11 (continued) – 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
	1.4.4.1	missingData	–	–	m		
	1.4.4.2	valueOnly	–	–	m		
	1.4.4.3	qualifiedValue	–	–	m		
	1.4.4.3.1	value	–	–	m		
	1.4.4.3.2	timeStamp	–	–	m		
	1.4.4.3.3	suspectFlag	–	Default FALSE	m		
	1.5	incompleteScan	{summ-att 30}	–	m		
	1.6	additionalText	{dmi-att 7}	–	m		
	1.7	additionalInformation	{dmi-att 6}	–	m		
2	2.1.1	scanInitiationTime	{summ-att 22}	–	m		
	2.1.2	onceReportAttributeList	{summ-att 16}	–	m		
	2.1.3	observationScanList	{summ-att 15}	–	m		
	2.1.3.1	observedObjectInstance	–	–	m		
	2.1.3.1.1	distinguishedName	–	–	m		
	2.1.3.1.2	nonSpecificForm	–	–	m		
	2.1.3.1.3	localDistinguishedName	–	–	m		
	2.1.3.2	attributeMeasureList	–	–	m		
	2.1.3.2.1	attributeId	–	–	m		
	2.1.3.2.2	attributeValue	–	–	m		
	2.1.3.2.3	timeStamp	–	–	m		
	2.1.3.2.4	suspectFlag	–	Default FALSE	m		
	2.1.3.3	numericValueArray	–	–	m		
	2.1.3.3.1	missingData	–	–	m		
	2.1.3.3.2	valueOnly	–	–	m		
	2.1.3.3.3	qualifiedValue	–	–	m		
	2.1.3.3.3.1	value	–	–	m		
	2.1.3.3.3.2	timeStamp	–	–	m		
	2.1.3.3.3.3	suspectFlag	–	Default FALSE	m		

(continued next page)

Table C.11 (concluded) – 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	2.1.4	incompleteScan	{summ-att 30}	–	m		
	2.1.5	additionalText	{dmi-att 7}	–	m		
	2.1.6	additionalInformation	{dmi-att 6}	–	m		
	3.1	scanInitiationTime	{summ-att 22}	–	m		
	3.2	observationReportList	{summ-att 14}	–	m		
	3.2.1	objectInstance	–	–	m		
	3.2.1.1	distinguishedName	–	–	m		
	3.2.1.2	nonSpecificForm	–	–	m		
	3.2.1.3	localDistinguishedName	–	–	m		
	3.2.2	attributeMeasureList	–	–	m		
	3.2.2.1	attributeId	–	–	m		
	3.2.2.2	attributeValue	–	–	m		
	3.2.2.3	timeStamp	–	–	m		
	3.2.2.4	suspectFlag	–	Default FALSE	m		
	3.3	algorithmOutputs	{summ-att 1}	–	m		
	3.3.1	attributeId	–	–	m		
	3.3.2	algorithmOutput	–	–	m		
	3.3.2.1	integer	–	–	m		
	3.3.2.2	real	–	–	m		
	3.4	algorithmParameters	{summ-att 2}	–	m		
	3.4.1	integer	–	–	m		
	3.4.2	real	–	–	m		
	3.5	incompleteScan	{summ-att 30}	–	m		
	3.6	additionalText	{dmi-att 7}	–	m		
	3.7	additionalInformation	{dmi-att 6}	–	m		

C.4.4 Actions

The specifier of a manager role implementation that claims to support the actions specified in this Recommendation | International Standard shall import a copy of Table C.12 and complete it.

Table C.12 – Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Status	Support	Additional information
1	activateDynamic SimpleReport	{summ-act 1}	1.1	Information		c16		
			1.2	Reply		c16		
2	activateScan Report	{summ-act 2}	2.1	Information	No information syntax	c17		No support table required
			2.2	Reply		c17		
3	activateStatistical Report	{summ-act 3}	3.1	Information	No information syntax	c18		No support table required
			3.2	Reply		c18		
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	c19		No support table required
			4.2	Reply		c19		
c16: if B.3/5a then m else – c17: if B.3/6a then m else – c18: if B.3/7a then m else – c19: if B.3/8a then m else –								

(continued below)

Table C.12 (continued) – Action support (continued for Index 1.1)

Index 1.1 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1.1.1	scanAttributeIdList	{summ-att 21}	–	o		
1.1.2	numericAttributeIdArray	{summ-att 10}	–	o		
1.1.3	scopedSelection	–	–	o.7		
1.1.3.1	baseManagedObject	–	–	c:m		
1.1.3.1.1	distinguishedName	–	–	c:o.8		
1.1.3.1.2	nonSpecificForm	–	–	c:o.8		
1.1.3.1.3	localDistinguishedName	–	–	c:o.8		
1.1.3.2	scope	–	–	c:m		
1.1.3.3	scanningFilter	–	–	c:m		
1.1.4	objectList	–	–	o.7		
1.1.5	suppressObjectInstance	{summ-att 26}	–	o		
1.1.6	onceReportAttributeIdList	{summ-att 16}	–	o		
1.1.7	timeStampReportMode	{summ-att 29}	–	o		

(continued on next page)

Table C.12 (continued) – Action support (concluded for Index 1.2)

Index 1.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1.2.1	scanInitiationTime	{summ-att 22}	–	m		
1.2.2	onceReportAttributeList	{summ-att 16}	–	m		
1.2.3	observationScanList	{summ-att 15}	–	m		
1.2.3.1	observedObjectInstance	–	–	m		
1.2.3.1.1	distinguishedName	–	–	m		
1.2.3.1.2	nonSpecificForm	–	–	m		
1.2.3.1.3	localDistinguishedName	–	–	m		
1.2.3.2	attributeMeasureList	–	–	m		
1.2.3.2.1	attributeId	–	–	m		
1.2.3.2.2	attributeValue	–	–	m		
1.2.3.2.3	timeStamp	–	–	m		
1.2.3.2.4	suspectFlag	–	Default FALSE	m		

(continued below)

Table C.12 (continued) – Action support (concluded for Index 1.2)

Index 1.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1.2.3.3	numericValueArray	–	–	m		
1.2.3.3.1	missingData	–	–	m		
1.2.3.3.2	valueOnly	–	–	m		
1.2.3.3.3	qualifiedValue	–	–	m		
1.2.3.3.3.1	value	–	–	m		
1.2.3.3.3.2	timeStamp	–	–	m		
1.2.3.3.3.3	suspectFlag	–	Default FALSE	m		
1.2.4	incompleteScan	{summ-att 30}	–	m		
1.2.5	additionalText	{dmi-att 7}	–	m		
1.2.6	additionalInformation	{dmi-att 6}	–	m		

(continued on next page)

Table C.12 (continued) – Action support (concluded for Index 2.2)

Index 2.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
2.2.1	scanInitiationTime	{summ-att 22}	–	m		
2.2.2	onceReportAttributeList	{summ-att 16}	–	m		
2.2.3	observationScanList	{summ-att 15}	–	m		
2.2.3.1	observedObjectInstance	–	–	m		
2.2.3.1.1	distinguishedName	–	–	m		
2.2.3.1.2	nonSpecificForm	–	–	m		
2.2.3.1.3	localDistinguishedName	–	–	m		
2.2.3.2	attributeMeasureList	–	–	m		
2.2.3.2.1	attributeId	–	–	m		
2.2.3.2.2	attributeValue	–	–	m		
2.2.3.2.3	timeStamp	–	–	m		
2.2.3.2.4	suspectFlag	–	Default FALSE	m		
2.2.3.3	numericValueArray	–	–	m		
2.2.3.3.1	missingData	–	–	m		
2.2.3.3.2	valueOnly	–	–	m		

(continued below)

Table C.12 (continued) – Action support (concluded for Index 2.2)

Index 2.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
2.2.3.3.3	qualifiedValue	–	–	m		
2.2.3.3.3.1	value	–	–	m		
2.2.3.3.3.2	timeStamp	–	–	m		
2.2.3.3.3.3	suspectFlag	–	Default FALSE	m		
2.2.4	incompleteScan	{summ-att 30}	–	m		
2.2.5	additionalText	{dmi-att 7}	–	m		
2.2.6	additionalInformation	{dmi-att 6}	–	m		

(continued on next page)

Table C.12 (continued) – Action support (concluded for Index 3.2)

Index 3.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
3.2.1	scanInitiationTime	{summ-att 22}	–	m		
3.2.2	observationReportList	{summ-att 14}	–	m		
3.2.2.1	objectInstance	–	–	m		
3.2.2.1.1	distinguishedName	–	–	m		
3.2.2.1.2	nonSpecificForm	–	–	m		
3.2.2.1.3	localDistinguishedName	–	–	m		
3.2.2.2	attributeMeasureList	–	–	m		
3.2.2.2.1	attributeId	–	–	m		
3.2.2.2.2	attributeValue	–	–	m		
3.2.2.2.3	timeStamp	–	–	m		
3.2.2.2.4	suspectFlag	–	Default FALSE	m		
3.2.3	algorithmOutputs	{summ-att 1}	–	m		
3.2.3.1	attributeId	–	–	m		
3.2.3.2	algorithmOutput	–	–	m		
3.2.3.2.1	integer	–	–	m		
3.2.3.2.2	real	–	–	m		
3.2.4	algorithmParameters	{summ-att 2}	–	m		
3.2.4.1	integer	–	–	m		
3.2.4.2	real	–	–	m		
3.2.5	incompleteScan	{summ-att 30}	–	m		
3.2.6	additionalText	{dmi-att 7}	–	m		
3.2.7	additionalInformation	{dmi-att 6}	–	m		

(continued below)

Table C.12 (continued) – Action support (concluded for Index 4.2)

Index 4.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
4.2.1	granularityPeriod	{moa-att 23}	–	m		
4.2.2	firstScanInitiationTime	{summ-att 8}	–	m		
4.2.3	suspectIntervals	{summ-att 27}	–	m		
4.2.4	bufferedObservationList	{summ-att 6}	–	m		
4.2.4.1	objectInstance	–	–	m		
4.2.4.1.1	distinguishedName	–	–	m		
4.2.4.1.2	nonSpecificForm	–	–	m		
4.2.4.1.3	localDistinguishedName	–	–	m		

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Table C.12 (concluded) – Action support (concluded for Index 4.2)

Index 4.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
4.2.4.2	reportTimeAttributeList	–	–	m		
4.2.4.2.1	attributeId	–	–	m		
4.2.4.2.2	attributeValue	–	–	m		
4.2.4.2.3	timeStamp	–	–	m		
4.2.4.2.4	suspectFlag	–	Default FALSE	m		
4.2.4.3	attributesBuffer	–	–	m		
4.2.4.3.1	attributeId	–	–	m		
4.2.4.3.2	attributeValue	–	–	m		
4.2.4.3.3	timeStamp	–	–	m		
4.2.4.3.4	suspectFlag	–	Default FALSE	m		
4.2.4.4	numericAttributesBuffer	–	–	m		
4.2.4.4.1	missingData	–	–	m		
4.2.4.4.2	valueOnly	–	–	m		
4.2.4.4.3	qualifiedValue	–	–	m		
4.2.4.4.3.1	value	–	–	m		
4.2.4.4.3.2	timeStamp	–	–	m		
4.2.4.4.3.3	suspectFlag	–	Default FALSE	m		
4.2.5	incompleteScan	{summ-att 30}	–	m		
4.2.6	additionalText	{dmi-att 7}	–	m		
4.7	additionalInformation	{dmi-att 6}	–	m		

C.4.5 Parameters

The specifier of a manager role implementation that claims to support the parameters specified in this Recommendation | International Standard shall import a copy of Table C.13 and complete it.

Table C.13 – Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	scanActionError	{summ-prm 1}	–	c20		
2	conflictingPackages RequestedError	{summ-prm 2}	–	c21		
c20: if C.12/1.2a or C.12/2.2a or C.12/3.2a or C.12/4.2a then m else –						
c21: if C.2/1a or C.3/1a or C.4/1a or C.5/1a C.6/1a or C.7/1a or C.8/1a or C.9/1a then m else –						

Anexo D

Formulario de MOCS⁴⁾ para la clase de objeto gestionado escáner heterogéneo («Heterogeneous scanner»)

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

D.1 Introduction

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

D.1.1 Instructions for completing the MOCS proforma to produce a MOCS⁵⁾

The MOCS proforma contained in this annex is comprised of information in tabular form, in accordance with ITU-T Rec X.724 | ISO/IEC 10165-6. The supplier of the implementation shall state which items are supported in Tables D.1 to D.7 and if necessary provide additional information.

D.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma.

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-not	joint-iso-ccitt ms(9) smi(3) part2(2) notification(10)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-att	joint-iso-ccitt ms(9) function(2) part13(13) attribute(7)
summ-not	joint-iso-ccitt ms(9) function(2) part13(13) notification(10)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
summ-act	joint-iso-ccitt ms(9) function(2) part13(13) action(9)
summ-prm	joint-iso-ccitt ms(9) function(2) part13(13) action(5)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-pkg	joint-iso-ccitt ms(9) function(2) part11(11) package(4)
m3100-pkg	ccitt recommendation(0) m(13) gnm(3100) m3100InformationModel(0) package(4)

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

D.2 Statement of conformance to the managed object class

Table D.1 – Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	heterogeneousScanner	{summ-mo 6}		

⁴⁾ Comunicado sobre derechos de autor del formulario de MOCS

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

⁵⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

If the answer to the actual class question in Table D.1 is no, the supplier of the implementation shall fill in the actual class support Table D.2.

Table D.2 – Actual class support

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

D.3 Packages

Table D.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{dmi-pkg 16}	–	c1		
3	allomorphicPackage	{dmi-pkg 17}	–	c2		
4	scannerPackage	–	–	m		
5	availabilityStatusPackage	{dmi-pkg 22}	–	c3		
6	duration	{dmi-pkg 26}	–	o		
7	dailyScheduling	{dmi-pkg 25}	–	o		
8	weeklyScheduling	{dmi-pkg 29}	–	o		
9	externalScheduler	{dmi-pkg 27}	–	o		
10	periodSynchronizationPackage	{moa-pkg 10}	–	o		
11	createDeleteNotificationPackage	{m3100-pkg 10}	–	o		
12	attributeValueChangeNotificationPackage	{m3100 pkg 4}	–	o		
13	stateChangeNotificationPackage	{m3100-pkg 28}	–	o		
14	heterogeneousScannerPackage	–	–	m		
15	timeStampReportPackage	{summ-pkg 13}	–	o		
16	onceReportAttributeIdList	{summ-pkg 6}	–	o		
c1: if D.3/3a or D.3/5a or D.3/6a or D.3/7a or D.3/8a or D.3/9a or D.3/10a or D.3/11a or D.3/12a or D.3/13a or D.3/15a or D.3/16a then m else – c2: if D.1/1b then – else m c3: if D.3/6a or D.3/7a or D.3/8a or D.3/9a then m else –						

D.4 Attributes**Table D.4 – Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	–	m		m		x	
2	nameBinding	{dmi-att 63}	–	o		m		c4	
3	packages	{dmi-att 66}	–	c5		c6		c7	
4	allomorphs	{dmi-att 50}	–	c8		c9		–	
5	scannerId	{moa-att 25}	–	o		m		x	
6	granularityPeriod	{moa-att 23}	–	m		m		m	
7	administrativeState	{dmi-att 31}	–	m		m		m	
8	operationalState	{dmi-att 35}		x		m		x	
9	availabilityStatus	{dmi-att 33}	off-duty required	c10		c11		c10	
10	periodSynchronizationTime	{moa-att 24}	–	c12		c12		c12	
11	startTime	{dmi-att 68}	–	c13		c13		c13	
12	stopTime	{dmi-att 69}	DMI default	c13		c13		c13	
13	intervalsOfDay	{dmi-att 57}	DMI default	c14		c14		c14	
14	weekMask	{dmi-att 71}	DMI default	c15		c15		c15	
15	schedulerName	{dmi-att 67}	–	o		c16		x	
16	observationIdList	{summ-att 13}	–	m		m		m	
17	suppressObjectInstance	{summ-att 26}	–	m		m		m	
18	timeStampReportMode	{summ-att 29}	timeStamping Off default	c17		c17		c17	
19	onceReportAttributeIdList	{summ-att 16}	–	c18		c18		c18	

(continued on next page)

Table D.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	–		–		x		
2	–		–		c4		
3	c7		c7		c7		
4	–		–		–		
5	–		–		x		
6	–		–		c4		
7	–		–		c4		
8	–		–		x		
9	c10		c10		c10		
10	–		–		c4		
11	c13		c13		c13		
12	–		–		c13		
13	c14		c14		c14		
14	c15		c15		c15		
15	–		–		x		
16	m		m		c4		
17	–		–		c4		
18	–		–		c17		
19	c18		c18		c4		
c4: if D.1/1b then x else – c5: if D.3/2a then o else – c6: if D.3/2a then m else – c7: if D.3/2a then x else – c8: if D.3/3a then o else – c9: if D.3/3a then m else – c10: if D.3/5a then x else – c11: if D.3/10a then m else – c12: if D.3/10a then m else – c13: if D.3/6a then m else – c14: if D.3/7a then m else – c15: if D.3/8a then m else – c16: if D.3/9a then m else – c17: if D.3/15a then m else – c18: if D.3/16a then m else –							

D.5 Notifications**Table D.5 – Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information
					Confirmed	Non-confirmed	
1	objectCreation	{dmi-not 6}	–	c19			
2	objectDeletion	{dmi-not 7}	–	c19			
3	attributeValueChange	{dmi-not 1}	–	c20			
4	stateChange	{dmi-not 14}	–	c21			
5	scanReport	{summ-not 2}	–	m			
c19: if D.3/11a then m else – c20: if D.3/12a then m else – c21: if D.3/13a then m else –							

*(continued below)***Table D.5 (continued) – 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	sourceIndicator	{dmi-att 26}	0 to 2	o		
	1.2	attributeList	{dmi-att 9}	–	o		
	1.3	notificationIdentifier	{dmi-att 16}	–	c22		
	1.4	correlatedNotifications	{dmi-att 12}	–	o		
	1.4.1	correlatedNotifications		–	c:m		
	1.4.2	sourceObjectInst		–	c:o		
	1.4.2.1	distinguishedName		–	c:o.9		
	1.4.2.2	nonSpecificForm		–	c:o.9		
	1.4.2.3	localDistinguishedName		–	c:o.9		
	1.5	additionalText	{dmi-att 7}	–	o		
	1.6	additionalInformation	{dmi-att 6}	–	o		
2	2.1	sourceIndicator	{dmi-att 26}	0 to 2	o		
	2.2	attributeList	{dmi-att 9}	–	o		
	2.3	notificationIdentifier	{dmi-att 16}	–	c23		

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Table D.5 (continued) – 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
	2.4	correlatedNotifications	{ dmi-att 12 }	–	o		
	2.4.1	correlatedNotifications		–	c:m		
	2.4.2	sourceObjectInst		–	c:o		
	2.4.2.1	distinguishedName		–	c:o.10		
	2.4.2.2	nonSpecificForm		–	c:o.10		
	2.4.2.3	localDistinguishedName		–	c:o.10		
	2.5	additionalText	{ dmi-att 7 }	–	o		
	2.6	additionalInformation	{ dmi-att 6 }	–	o		
3	3.1	sourceIndicator	{ dmi-att 26 }	0 to 2	o		
	3.2	attribute identifier list	{ dmi-att 8 }	–	o		
	3.3	attributeValueChange definition	{ dmi-att 10 }	–	m		
	3.3.1	attributeId		–	m		
	3.3.2	oldAttributeValue		–	o		
	3.3.3	newAttributeValue		–	m		
	3.4	notificationIdentifier	{ dmi-att 16 }	–	c24		
	3.5	correlatedNotifications	{ dmi-att 12 }	–	o		
	3.4.1	correlatedNotifications		–	c:m		
	3.4.2	sourceObjectInst		–	c:o		
	3.4.2.1	distinguishedName		–	c:o.11		
	3.4.2.2	nonSpecificForm		–	c:o.11		
	3.4.2.3	localDistinguishedName		–	c:o.11		
	3.6	additionalText	{ dmi-att 7 }	–	o		
	3.7	additionalInformation	{ dmi-att 6 }	–	o		
4	4.1	sourceIndicator	{ dmi-att 26 }	0 to 2	o		
	4.2	attribute identifier list	{ dmi-att 8 }	–	o		
	4.3	stateChangeDefinition	{ dmi-att 28 }	–	m		
	4.3.1	attributeId		–	m		
	4.3.2	oldAttributeValue		–	o		
	4.3.3	newAttributeValue		–	m		
	4.4	notificationIdentifier	{ dmi-att 16 }	–	c25		

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Table D.5 (concluded) – 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	correlatedNotifications	{dmi-att 12}	–	o		
	4.5.1	correlatedNotifications		–	c:m		
	4.5.2	sourceObjectInst		–	c:o		
	4.5.2.1	distinguishedName		–	c:o.12		
	4.5.2.2	nonSpecificForm		–	c:o.12		
	4.5.2.3	localDistinguishedName		–	c:o.12		
	4.6	additionalText	{dmi-att 7}	–	o		
	4.7	additionalInformation	{dmi-att 6}	–	o		
5	5.1	scanInitiationTime	{summ-att 22}	–	o		
	5.2	onceReportAttributeList	{summ-att 16}	–	o		
	5.3	observationScanList	{summ-att 15}	–	m		
	5.3.1	observedObjectInstance	–	–	o		
	5.3.1.1	distinguishedName	–	–	c:o.13		
	5.3.1.2	nonSpecificForm	–	–	c:o.13		
	5.3.1.3	localDistinguishedName	–	–	c:o.13		
	5.3.2	attributeMeasureList	–	–	o		
	5.3.2.1	attributeId	–	–	c:m		
	5.3.2.2	attributeValue	–	–	c:o		
	5.3.2.3	timeStamp	–	–	c:o		
	5.3.2.4	suspectFlag	–	Default FALSE	c:o		
	5.3.3	numericValueArray	–	–	c:o		
	5.3.3.1	missingData	–	–	c:o.14		
	5.3.3.2	valueOnly	–	–	c:o.14		
	5.3.3.3	qualifiedValue	–	–	c:o.14		
	5.3.3.3.1	value	–	–	c:m		
	5.3.3.3.2	timeStamp	–	–	c:o		
	5.3.3.3.3	suspectFlag	–	Default FALSE	c:o		
	5.4	incompleteScan	{summ-att 30}	–	o		
	5.5	additionalText	{dmi-att 7}	–	o		
	5.6	additionalInformation	{dmi-att 6}	–	o		
c22: if D.5/1.4a then m else o c23: if D.5/2.4a then m else o c24: if D.5/3.5a then m else o c25: if D.5/4.5a then m else o							

D.6 Actions**Table D.6 – Action support**

Index	Action type template label	Value of object identifier for action type	Subindex	Information / Reply	Constraints and values	Status	Support	Additional information
1	activateScanReport	{summ-act 2}	1.1	Information	No information syntax	m		No support table required
			1.2	Reply		m		

(continued below)

Table D.6 (concluded) – Action support (concluded for Index 1.2)

Index 1.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1.2.1	scanInitiationTime	{summ-att 22}	–	o		
1.2.2	onceReportAttributeList	{summ-att 16}	–	o		
1.2.3	observationScanList	{summ-att 15}	–	m		
1.2.3.1	observedObjectInstance	–	–	o		
1.2.3.1.1	distinguishedName	–	–	c:o.15		
1.2.3.1.2	nonSpecificForm	–	–	c:o.15		
1.2.3.1.3	localDistinguishedName	–	–	c:o.15		
1.2.3.2	attributeMeasureList	–	–	o		
1.2.3.2.1	attributeId	–	–	c:m		
1.2.3.2.2	attributeValue	–	–	c:o		
1.2.3.2.3	timeStamp	–	–	c:o		
1.2.3.2.4	suspectFlag	–	Default FALSE	c:o		
1.2.3.3	numericValueArray	–	–	c:o		
1.2.3.3.1	missingData	–	–	c:o.16		
1.2.3.3.2	valueOnly	–	–	c:o.16		
1.2.3.3.3	qualifiedValue	–	–	c:o.16		
1.2.3.3.3.1	value	–	–	c:m		
1.2.3.3.3.2	timeStamp	–	–	c:o		
1.2.3.3.3.3	suspectFlag	–	Default FALSE	c:o		
1.2.4	incompleteScan	{summ-att 30}	–	o		
1.2.5	additionalText	{dmi-att 7}	–	o		
1.2.6	additionalInformation	{dmi-att 6}	–	o		

D.7 Parameters**Table D.7 – Parameter support**

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	scanActionError	{summ-prm 1}	–	m		

Anexo E

Formulario de MOCS⁶⁾
para la clase de objeto gestionado escáner en memoria tampón («Buffered scanner»)

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

E.1 Introduction

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

E.1.1 Instructions for completing the MOCS proforma to produce a MOCS⁷⁾

The MOCS proforma contained in this annex is comprised of information in tabular form, in accordance with ITU-T Rec X.724 | ISO/IEC 10165-6. The supplier of the implementation shall state which items are supported in Tables E.1 to E.7 and if necessary provide additional information.

E.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma.

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-not	joint-iso-ccitt ms(9) smi(3) part2(2) notification(10)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-att	joint-iso-ccitt ms(9) function(2) part13(13) attribute(7)
summ-not	joint-iso-ccitt ms(9) function(2) part13(13) notification(10)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
summ-act	joint-iso-ccitt ms(9) function(2) part13(13) action(9)
summ-prm	joint-iso-ccitt ms(9) function(2) part13(13) action(5)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-pkg	joint-iso-ccitt ms(9) function(2) part11(11) package(4)
m3100-pkg	ccitt recommendation(0) m(13) gnm(3100) m3100InformationModel(0) package(4)

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

E.2 Statement of conformance to the managed object class

Table E.1 – Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	bufferedScanner	{summ-mo 1}		

⁶⁾ **Comunicado sobre derechos de autor del formulario de MOCS**

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

⁷⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

If the answer to the actual class question in the managed object class support table is no, the supplier of the implementation shall fill in the actual class support Table E.2.

Table E.2 – Actual class support

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

E.3 Packages

Table E.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{dmi-pkg 16}	–	c1		
3	allomorphicPackage	{dmi-pkg 17}	–	c2		
4	scannerPackage	–	–	m		
5	availabilityStatusPackage	{dmi-pkg 22}	–	c3		
6	duration	{dmi-pkg 26}	–	o		
7	dailyScheduling	{dmi-pkg 25}	–	o		
8	weeklyScheduling	{dmi-pkg 29}	–	o		
9	externalScheduler	{dmi-pkg 27}	–	o		
10	periodSynchronizationPackage	{moa-pkg 10}	–	o		
11	createDeleteNotificationPackage	{m3100-pkg 10}	–	o		
12	attributeValueChangeNotificationPackage	{m3100 pkg 4}	–	o		
13	stateChangeNotificationPackage	{m3100-pkg 28}	–	o		
14	bufferedScannerPackage	–	–	m		
15	timeStampReportPackage	{summ-pkg 13}	–	o		
c1: if E.3/3a or E.3/5a or E.3/6a or E.3/7a or E.3/8a or E.3/9a or E.3/10a or E.3/11a or E.3/12a or E.3/13a or E.3/15a or E.3/16a then m else – c2: if E.1/1b then – else m c3: if E.3/6a or E.3/7a or E.3/8a or E.3/9a then m else –						

E.4 Attributes**Table E.4 – Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Cretae		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	–	m		m		x	
2	nameBinding	{dmi-att 63}	–	o		m		c4	
3	packages	{dmi-att 66}	–	c5		c6		c7	
4	allomorphs	{dmi-att 50}	–	c8		c9		–	
5	scannerId	{moa-att 25}	–	o		m		x	
6	granularityPeriod	{moa-att 23}	–	m		m		m	
7	administrativeState	{dmi-att 31}	–	m		m		m	
8	operationalState	{dmi-att 35}		x		m		x	
9	availabilityStatus	{dmi-att 33}	off-duty required	c10		c11		c10	
10	periodSynchronizationTime	{moa-att 24}	–	c12		c12		c12	
11	startTime	{dmi-att 68}	–	c13		c13		c13	
12	stopTime	{dmi-att 69}	DMI default	c13		c13		c13	
13	intervalsOfDay	{dmi-att 57}	DMI default	c14		c14		c14	
14	weekMask	{dmi-att 71}	DMI default	c15		c15		c15	
15	schedulerName	{dmi-att 67}	–	o		c16		x	
16	bufferedObservationIdList	{summ-att 5}	–	m		m		m	
17	reportPeriod	{summ-att 19}	–	m		m		m	
18	suppressObjectInstance	{summ-att 26}	–	m		m		m	
19	timeStampReportMode	{summ-att 29}	timeStamping Off default	c17		c17		c17	

*(continued below)***Table E.4 (continued) – Attribute support**

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	–		–		x		
2	–		–		c4		
3	c7		c7		c7		

Table E.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
4	–		–		–		
5	–		–		x		
6	–		–		c4		
7	–		–		c4		
8	–		–		x		
9	c10		c10		c10		
10	–		–		c4		
11	c13		c13		c13		
12	–		–		c13		
13	c14		c14		c14		
14	c15		c15		c15		
15	–		–		x		
16	m		m		c4		
17	–		–		c4		
18	–		–		c4		
19	–		–		c17		
c4: if E.1/1b then x else – c5: if E.3/2a then o else – c6: if E.3/2a then m else – c7: if E.3/2a then x else – c8: if E.3/3a then o else – c9: if E.3/3a then m else – c10: if E.3/5a then x else – c11: if E.3/5a then m else – c12: if E.3/10a then m else – c13: if E.3/6a then m else – c14: if E.3/7a then m else – c15: if E.3/8a then m else – c16: if E.3/9a then m else – c17: if E.3/15a then m else –							

E.5 Notifications**Table E.5 – Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information
					Confirmed	Non-confirmed	
1	objectCreation	{dmi-not 6}	–	c18			
2	objectDeletion	{dmi-not 7}	–	c18			
3	attributeValueChange	{dmi-not 1}	–	c19			
4	stateChange	{dmi-not 14}	–	c20			
5	bufferedScanReport	{summ-not 1}	–	m			
c18: if E.3/11a then m else – c19: if E.3/12a then m else – c20: if E.3/13a then m else –							

The detailed requirements for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table D.5. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of the tables for objectCreation, objectDeletion, attributeValueChange and stateChange notifications in Table D.5 for this managed object class if the support is different.

Table E.5 (continued) – Notification support (concluded for Index 5)

Index 5 Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
5.1	granularityPeriod	{moa-att 23}	–	m		
5.2	firstScanInitiationTime	{summ-att 8}	–	o		
5.3	suspectIntervals	{summ-att 27}	–	o		
5.4	bufferedObservationList	{summ-att 6}	–	m		
5.4.1	objectInstance	–	–	o		
5.4.1.1	distinguishedName	–	–	c:o.17		
5.4.1.2	nonSpecificForm	–	–	c:o.17		
5.4.1.3	localDistinguishedName	–	–	c:o.17		
5.4.2	reportTimeAttributeList	–	–	o		
5.4.2.1	attributeId	–	–	c:m		
5.4.2.2	attributeValue	–	–	c:o		

(continued)

Table E.5 (continued)– Notification support (concluded for Index 5)

Index 5 Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
5.4.2.3	timeStamp	–	–	c:o		
5.4.2.4	suspectFlag	–	Default FALSE	c:o		
5.4.3	attributesBuffer	–	–	o		
5.4.3.1	attributeId	–	–	c:m		
5.4.3.2	attributeValue	–	–	c:o		
5.4.3.3	timeStamp	–	–	c:o		
5.4.3.4	suspectFlag	–	Default FALSE	c:o		
5.4.4	numericAttributesBuffer	–	–	o		
5.4.4.1	missingData	–	–	c:o.18		
5.4.4.2	valueOnly	–	–	c:o.18		
5.4.4.3	qualifiedValue	–	–	c:o.18		
5.4.4.3.1	value	–	–	c:m		
5.4.4.3.2	timeStamp	–	–	c:o		
5.4.4.3.3	suspectFlag	–	Default FALSE	c:o		
5.5	incompleteScan	{summ-att 30}	–	o		
5.6	additionalText	{dmi-att 7}	–	o		
5.7	additionalInformation	{dmi-att 6}	–	o		

E.6 Actions

Table E.6 – Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Status	Support	Additional information
1	reportBuffer	{summ-act 4}	1.1	Information	No information syntax	m		No support table required
			1.2	Reply		m		

(continued on next page)

Table E.6 – Action support (concluded for Index 1)

Index 1.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1.2.1	granularityPeriod	{moa-att 23}	–	m		
1.2.2	firstScanInitiationTime	{summ-att 8}	–	o		
1.2.3	suspectIntervals	{summ-att 27}	–	o		
1.2.4	bufferedObservationList	{summ-att 6}	–	m		
1.2.4.1	objectInstance	–	–	o		
1.2.4.1.1	distinguishedName	–	–	c:o.19		
1.2.4.1.2	nonSpecificForm	–	–	c:o.19		
1.2.4.1.3	localDistinguishedName	–	–	c:o.19		
1.2.4.2	reportTimeAttributeList	–	–	o		
1.2.4.2.1	attributeId	–	–	c:m		
1.2.4.2.2	attributeValue	–	–	c:o		
1.2.4.2.3	timeStamp	–	–	c:o		
1.2.4.2.4	suspectFlag	–	Default FALSE	c:o		
1.2.4.3	attributesBuffer	–	–	o		
1.2.4.3.1	attributeId	–	–	c:m		
1.2.4.3.2	attributeValue	–	–	c:o		
1.2.4.3.3	timeStamp	–	–	c:o		
1.2.4.3.4	suspectFlag	–	Default FALSE	c:o		
1.2.4.4	numericAttributesBuffer	–	–	o		
1.2.4.4.1	missingData	–	–	c:o.20		
1.2.4.4.2	valueOnly	–	–	c:o.20		
1.2.4.4.3	qualifiedValue	–	–	c:o.20		
1.2.4.4.3.1	value	–	–	c:m		
1.2.4.4.3.2	timeStamp	–	–	c:o		
1.2.4.4.3.3	suspectFlag	–	Default FALSE	c:o		
1.2.5	incompleteScan	{summ-att 30}	–	o		
1.2.6	additionalText	{dmi-att 7}	–	o		
1.2.7	additionalInformation	{dmi-att 6}	–	o		

E.7 Parameters

Table E.7 – Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	scanActionError	{summ-prm 1}	–	m		

Anexo F

Formulario de MOCS⁸⁾ para la clase de objeto gestionado escáner simple («Simple scanner»)

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

F.1 Introduction

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

F.1.1 Instructions for completing the MOCS proforma to produce a MOCS⁹⁾

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

F.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-not	joint-iso-ccitt ms(9) smi(3) part2(2) notification(10)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-att	joint-iso-ccitt ms(9) function(2) part13(13) attribute(7)
summ-not	joint-iso-ccitt ms(9) function(2) part13(13) notification(10)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
summ-act	joint-iso-ccitt ms(9) function(2) part13(13) action(9)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-pkg	joint-iso-ccitt ms(9) function(2) part11(11) package(4)
m3100-pkg	ccitt recommendation(0) m(13) gnm(3100) m3100InformationModel(0) package(4)

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

F.2 Statement of conformance to the managed object class

Table F.1 – Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	simpleScanner	{summ-mo 14}		

⁸⁾ Comunicado sobre derechos de autor del formulario de MOCS

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

⁹⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

If the answer to the actual class question in Table F.1 is no, the supplier of the implementation shall fill in the actual class support Table F.2.

Table F.2 – Actual class support

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

F.3 Packages

Table F.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{dmi-pkg 16}	–	c1		
3	allomorphicPackage	{dmi-pkg 17}	–	c2		
4	scannerPackage	–	–	m		
5	availabilityStatusPackage	{dmi-pkg 22}	–	c3		
6	duration	{dmi-pkg 26}	–	o		
7	dailyScheduling	{dmi-pkg 25}	–	o		
8	weeklyScheduling	{dmi-pkg 29}	–	o		
9	externalScheduler	{dmi-pkg 27}	–	o		
10	periodSynchronizationPackage	{moa-pkg 10}	–	o		
11	createDeleteNotificationPackage	{m3100-pkg 10}	–	o		
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	–	o		
13	stateChangeNotificationPackage	{m3100-pkg 28}	–	o		
14	heterogeneousScannerPackage	–	–	m		
15	timeStampReportPackage	{summ-pkg 13}	–	o		
16	scopedSelectionPackage	{summ-pkg 10}	–	o.21		
17	timingSelectionPackage	{summ-pkg 13}	–	o		
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	–	o.21		
19	simpleScannerPackage	–	–	m		
20	onceReportAttributeIdListPackage	{summ-pkg 6}	–	o		
c1: if F.3/3a or F.3/5a or F.3/6a or F.3/7a or F.3/8a or F.3/9a or F.3/10a or F.3/11a or F.3/12a or F.3/13a or F.3/15a or F.3/16a or F.3/17a or F.3/18a or F.3/20a then m else – c2: if F.1/1b then – else m c3: if F.3/6a or F.3/7a or F.3/8a or F.3/9a then m else –						

F.4 Attributes

Table F.4 – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	—	m		m		x	
2	nameBinding	{dmi-att 63}	—	o		m		c4	
3	packages	{dmi-att 66}	—	c5		c6		c7	
4	allomorphs	{dmi-att 50}	—	c8		c9		—	
5	scannerId	{moa-att 25}	—	o		m		x	
6	granularityPeriod	{moa-att 23}	—	m		m		m	
7	administrativeState	{dmi-att 31}	—	m		m		m	
8	operationalState	{dmi-att 35}		x		m		x	
9	availabilityStatus	{dmi-att 33}	off-duty required	c10		c11		c10	
10	periodSynchronizationTime	{moa-att 24}	—	c12		c12		c12	
11	startTime	{dmi-att 68}	—	c13		c13		c13	
12	stopTime	{dmi-att 69}	DMI default	c13		c13		c13	
13	intervalsOfDay	{dmi-att 57}	DMI default	c14		c14		c14	
14	weekMask	{dmi-att 71}	DMI default	c15		c15		c15	
15	schedulerName	{dmi-att 67}	—	o		c16		x	
16	timeStampReportMode	{summ-att 29}	timeStamping Off default	c17		c17		c17	
17	baseManagedObject	{summ-att 3}	—	c18		c18		c18	
18	scope	{summ-att 25}	—	c18		c18		c18	
19	scanningFilter	{summ-att 24}	—	c18		c18		c18	
20	beginTimeOffset	{summ-att 4}	—	c19		c19		c19	
21	endTimeOffset	{summ-att 7}	—	c19		c19		c19	
22	timeAttributeIdentifier	{summ-att 28}	—	c19		c19		c19	
23	objectList	{summ-att 12}	—	c20		c20		c20	
24	numericAttributeIdArray	{summ-att 10}	—	m		m		m	
25	suppressObjectInstance	{summ-att 26}	—	m		m		m	
26	onceReportAttributeIdList	{summ-att 16}	—	c21		c21		c21	

(continued on next page)

Table F.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	–		–		x		
2	–		–		c4		
3	c7		c7		c7		
4	–		–		–		
5	–		–		x		
6	–		–		c4		
7	–		–		c4		
8	–		–		x		
9	c10		c10		c10		
10	–		–		c4		
11	c13		c13		c13		
12	–		–		c13		
13	c14		c14		c14		
14	c15		c15		c15		
15	–		–		x		
16	–		–		c17		
17	–		–		c4		
18	–		–		c4		
19	–		–		c18		
20	–		–		c4		
21	–		–		c4		
22	–		–		c4		
23	c20		c20		c4		
24	–		–		c4		
25	–		–		c4		
26	c21		c21		c4		
c4: if F.1/1b then x else – c5: if F.3/2a then o else – c6: if F.3/2a then m else – c7: if F.3/2a then x else – c8: if F.3/3a then o else – c9: if F.3/3a then m else – c10: if F.3/5a then x else – c11: if F.3/10a then m else – c12: if F.3/10a then m else – c13: if F.3/6a then m else – c14: if F.3/7a then m else – c15: if F.3/8a then m else – c16: if F.3/9a then m else – c17: if F.3/15a then m else – c18: if F.3/16a then m else – c19: if F.3/17a then m else – c20: if F.3/18a then m else – c21: if F.3/20a then m else –							

F.5 Notifications**Table F.5 – Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information
					Confirmed	Non-confirmed	
1	objectCreation	{dmi-not 6}	–	c22			
2	objectDeletion	{dmi-not 7}	–	c22			
3	attributeValueChange	{dmi-not 1}	–	c23			
4	stateChange	{dmi-not 14}	–	c24			
5	scanReport	{summ-not 2}	–	m			
c22: if F.5/11a then m else – c23: if F.5/12a then m else – c24: if F.5/13a then m else –							

The detailed requirements for each of the above notifications for this managed object class are as specified in Table D.5. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of Table D.5 for this managed object class if the support is different.

F.6 Actions**Table F.6 – Action support**

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Status	Support	Additional information
1	activateStatistical Report	{summ-act 3}	1.1	Information	No information syntax	m		No support table required
			1.2	Reply		m		

(continued below)

Table F.6 (continued) – Action support (concluded for Index 1.2)

Index 1.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1.2.1	scanInitiationTime	{summ-att 22}	–	o		
1.2.2	observationReportList	{summ-att 14}	–	m		
1.2.2.1	objectInstance	–	–	o		
1.2.2.1.1	distinguishedName	–	–	c:o.22		
1.2.2.1.2	nonSpecificForm	–	–	c:o.22		
1.2.2.1.3	localDistinguishedName	–	–	c:o.22		

Table F.6 (concluded) – Action support (concluded for Index 1.2)

Index 1.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1.2.2.2	attributeMeasureList	–	–	o		
1.2.2.2.1	attributeId	–	–	c:m		
1.2.2.2.2	attributeValue	–	–	c:o		
1.2.2.2.3	timeStamp	–	–	c:o		
1.2.2.2.4	suspectFlag	–	Default FALSE	c:o		
1.2.3	algorithmOutputs	{summ-att 1}	–	m		
1.2.3.1	attributeId	–	–	m		
1.2.3.2	algorithmOutput	–	–	m		
1.2.3.2.1	integer	–	–	o.23		
1.2.3.2.2	real	–	–	o.23		
1.2.4	algorithmParameters	{summ-att 2}	–	o		
1.2.4.1	integer	–	–	c:o.24		
1.2.4.2	real	–	–	c:o.24		
1.2.5	incompleteScan	{summ-att 30}	–	o		
1.2.6	additionalText	{dmi-att 7}	–	o		
1.2.7	additionalInformation	{dmi-att 6}	–	o		

F.7 Parameters

Table F.7 – Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	scanActionError	{summ-prm 1}	–	m		

Anexo G

Formulario de MOCS¹⁰⁾ para la clase de objeto gestionado escáner de media («Mean scanner»)

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

G.1 Introduction

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

G.1.1 Instructions for completing the MOCS proforma to produce a MOCS¹¹⁾

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

G.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-not	joint-iso-ccitt ms(9) smi(3) part2(2) notification(10)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-att	joint-iso-ccitt ms(9) function(2) part13(13) attribute(7)
summ-not	joint-iso-ccitt ms(9) function(2) part13(13) notification(10)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
summ-act	joint-iso-ccitt ms(9) function(2) part13(13) action(9)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-pkg	joint-iso-ccitt ms(9) function(2) part11(11) package(4)
m3100-pkg	ccitt recommendation(0) m(13) gnm(3100) m3100InformationModel(0) package(4)

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

G.2 Statement of conformance to the managed object class

Table G.1 – Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	meanScanner	{summ-mo 8}		

If the answer to the actual class question in Table G.1 is no, the supplier of the implementation shall fill in the actual class support Table G.2.

¹⁰⁾ Comunicado sobre derechos de autor del formulario de MOCS

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¹¹⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

Table G.2 – Actual class support

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

G.3 Packages

Table G.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{dmi-pkg 16}	–	c1		
3	allomorphicPackage	{dmi-pkg 17}	–	c2		
4	scannerPackage	–	–	m		
5	availabilityStatusPackage	{dmi-pkg 22}	–	c3		
6	duration	{dmi-pkg 26}	–	o		
7	dailyScheduling	{dmi-pkg 25}	–	o		
8	weeklyScheduling	{dmi-pkg 29}	–	o		
9	externalScheduler	{dmi-pkg 27}	–	o		
10	periodSynchronizationPackage	{moa-pkg 10}	–	o		
11	createDeleteNotificationPackage	{m3100-pkg 10}	–	o		
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	–	o		
13	stateChangeNotificationPackage	{m3100-pkg 28}	–	o		
14	homogeneousScannerPackage	–	–	m		
15	timeStampReportPackage	{summ-pkg 13}	–	o		
16	scopedSelectionPackage	{summ-pkg 10}	–	o.25		
17	timingSelectionPackage	{summ-pkg 13}	–	o		
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	–	o.25		
19	ensemblePackage	–	–	m		
20	meanScannerPackage	–	–	m		
c1: if G.3/3a or G.3/5a or G.3/6a or G.3/7a or G.3/8a or G.3/9a or G.3/10a or G.3/11a or G.3/12a or G.3/13a or G.3/15a or G.3/16a or G.3/17a or G.3/18a then m else – c2: if G.1/1b then – else m c3: if G.3/6a or G.3/7a or G.3/8a or G.3/9a then m else –						

G.4 Attributes**Table G.4 – Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	—	m		m		x	
2	nameBinding	{dmi-att 63}	—	o		m		c4	
3	packages	{dmi-att 66}	—	c5		c6		c7	
4	allomorphs	{dmi-att 50}	—	c8		c9		—	
5	scannerId	{moa-att 25}	—	o		m		x	
6	granularityPeriod	{moa-att 23}	—	m		m		m	
7	administrativeState	{dmi-att 31}	—	m		m		m	
8	operationalState	{dmi-att 35}		x		m		x	
9	availabilityStatus	{dmi-att 33}	off-duty required	c10		c11		c10	
10	periodSynchronizationTime	{moa-att 24}	—	c12		c12		c12	
11	startTime	{dmi-att 68}	—	c13		c13		c13	
12	stopTime	{dmi-att 69}	DMI default	c13		c13		c13	
13	intervalsOfDay	{dmi-att 57}	DMI default	c14		c14		c14	
14	weekMask	{dmi-att 71}	DMI default	c15		c15		c15	
15	schedulerName	{dmi-att 67}	—	o		c16		x	
16	timeStampReportMode	{summ-att 29}	timeStamping Off default	c17		c17		c17	
17	baseManagedObject	{summ-att 3}	—	c18		c18		c18	
18	scope	{summ-att 25}	—	c18		c18		c18	
19	scanningFilter	{summ-att 24}	—	c18		c18		c18	
20	beginTimeOffset	{summ-att 4}	—	c19		c19		c19	
21	endTimeOffset	{summ-att 7}	—	c19		c19		c19	
22	timeAttributeIdentifier	{summ-att 28}	—	c19		c19		c19	
23	objectList	{summ-att 12}	—	c20		c20		c20	
24	numericAttributeIdList	{summ-att 11}	—	m		m		m	
25	suppressObjectInstance	{summ-att 26}	—	m		m		m	

(continued on next page)

Table G.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	–		–		x		
2	–		–		c4		
3	c7		c7		c7		
4	–		–		–		
5	–		–		x		
6	–		–		c4		
7	–		–		c4		
8	–		–		x		
9	c10		c10		c10		
10	–		–		c4		
11	c13		c13		c13		
12	–		–		c13		
13	c14		c14		c14		
14	c15		c15		c15		
15	–		–		x		
16	–		–		c17		
17	–		–		c4		
18	–		–		c4		
19	–		–		c18		
20	–		–		c4		
21	–		–		c4		
22	–		–		c4		
23	c20		c20		c4		
24	m		m		c4		
25	–		–		c4		
c4: if G.1/1b then x else – c5: if G.3/2a then o else – c6: if G.3/2a then m else – c7: if G.3/2a then x else – c8: if G.3/3a then o else – c9: if G.3/3a then m else – c10: if G.3/5a then x else – c11: if G.3/10a then m else – c12: if G.3/10a then m else – c13: if G.3/6a then m else – c14: if G.3/7a then m else – c15: if G.3/8a then m else – c16: if G.3/9a then m else – c17: if G.3/15a then m else – c18: if G.3/16a then m else – c19: if G.3/17a then m else – c20: if G.3/18a then m else –							

G.5 Notifications**Table G.5 – Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information
					Confirmed	Non-confirmed	
1	objectCreation	{ dmi-not 6 }	—	c21			
2	objectDeletion	{ dmi-not 7 }	—	c21			
3	attributeValueChange	{ dmi-not 1 }	—	c22			
4	stateChange	dmi-not 14}	—	c23			
5	statisticalReport	{ summ-not 3 }	—	m			
c21: if G.5/11a then m else – c22: if G.5/12a then m else – c23: if G.5/13a then m else –							

The detailed requirements for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table D.5. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of the tables for objectCreation, objectDeletion, attributeValueChange and stateChange notifications in Table D.5 for this managed object class if the support is different.

(continued below)

Table G.5 – Notification support (continued for Index 5)

Index 5 Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
5.1	scanInitiationTime	{ summ-att 22 }	—	o		
5.2	observationReportList	{ summ-att 14 }	—	m		
5.2.1	objectInstance	—	—	o		
5.2.1.1	distinguishedName	—	—	c:o.26		
5.2.1.2	nonSpecificForm	—	—	c:o.26		
5.2.1.3	localDistinguishedName	—	—	c:o.26		
5.2.2	attributeMeasureList	—	—	o		
5.2.2.1	attributeId	—	—	c:m		
5.2.2.2	attributeValue	—	—	c:o		
5.2.2.3	timeStamp	—	—	c:o		
5.2.2.4	suspectFlag	—	Default FALSE	c:o		

Table G.5 – Notification support (concluded for Index 5)

Index 5 Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
5.3	algorithmOutputs	{summ-att 1}	–	m		
5.3.1	attributeId	–	–	m		
5.3.2	algorithmOutput	–	–	m		
5.3.2.1	integer	–	–	o.27		
5.3.2.2	real	–	–	o.27		
5.4	algorithmParameters	{summ-att 2}	–	o		
5.4.1	integer	–	–	c:o.28		
5.4.2	real	–	–	c:o.28		
5.5	incompleteScan	{summ-att 30}	–	o		
5.6	additionalText	{dmi-att 7}	–	o		
5.7	additionalInformation	{dmi-att 6}	–	o		

G.6 Actions

Table G.6 – Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Status	Support	Additional information
1	activateStatisticalReport	{summ-act 3}	1.1	Information	No information syntax	m		No support table required
			1.2	Reply		m		

The detailed requirements for the above action for this managed object class are as specified in Table F.6. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of the tables for activateScanReport action in Table F.6 for this managed object class if the support is different.

G.7 Parameters

Table G.7 – Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	scanActionError	{summ-prm 1}	–	m		

Anexo H

Formulario de MOCS¹²⁾

para la clase de objeto gestionado escáner de varianza de media («Mean variance scanner»)

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

H.1 Introduction

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

H.1.1 Instructions for completing the MOCS proforma to produce a MOCS¹³⁾

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

H.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-not	joint-iso-ccitt ms(9) smi(3) part2(2) notification(10)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-att	joint-iso-ccitt ms(9) function(2) part13(13) attribute(7)
summ-not	joint-iso-ccitt ms(9) function(2) part13(13) notification(10)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
summ-act	joint-iso-ccitt ms(9) function(2) part13(13) action(9)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-pkg	joint-iso-ccitt ms(9) function(2) part11(11) package(4)
m3100-pkg	ccitt recommendation(0) m(13) gnm(3100) m3100InformationModel(0) package(4)

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

H.2 Statement of conformance to the managed object class

Table H.1 – Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	meanVarianceScanner	{summ-mo 9}		

¹²⁾ Comunicado sobre derechos de autor del formulario de MOCS

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¹³⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

If the answer to the actual class question in Table H.1 is no, the supplier of the implementation shall fill in the actual class support Table H.2.

Table H.2 – Actual class support

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

H.3 Packages

Table H.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{dmi-pkg 16}	–	c1		
3	allomorphicPackage	{dmi-pkg 17}	–	c2		
4	scannerPackage	–	–	m		
5	availabilityStatusPackage	{dmi-pkg 22}	–	c3		
6	duration	{dmi-pkg 26}	–	o		
7	dailyScheduling	{dmi-pkg 25}	–	o		
8	weeklyScheduling	{dmi-pkg 29}	–	o		
9	externalScheduler	{dmi-pkg 27}	–	o		
10	periodSynchronizationPackage	{moa-pkg 10}	–	o		
11	createDeleteNotificationPackage	{m3100-pkg 10}	–	o		
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	–	o		
13	stateChangeNotificationPackage	{m3100-pkg 28}	–	o		
14	homogeneousScannerPackage	–	–	m		
15	timeStampReportPackage	{summ-pkg 13}	–	o		
16	scopedSelectionPackage	{summ-pkg 10}	–	o.29		
17	timingSelectionPackage	{summ-pkg 13}	–	o		
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	–	o.29		
19	ensemblePackage	–	–	m		
20	meanScannerPackage	–	–	m		
21	meanVarianceScannerPackage	–	–	m		
c1: if H.3/3a or H.3/5a or H.3/6a or H.3/7a or H.3/8a or H.3/9a or H.3/10a or H.3/11a or H.3/12a or H.3/13a or H.3/15a or H.3/16a or H.3/17a or H.3/18a then m else – c2: if H.1/1b then – else m c3: if H.3/6a or H.3/7a or H.3/8a or H.3/9a then m else –						

H.4 Attributes**Table H.4 – Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	—	m		m		x	
2	nameBinding	{dmi-att 63}	—	o		m		c4	
3	packages	{dmi-att 66}	—	c5		c6		c7	
4	allomorphs	{dmi-att 50}	—	c8		c9		—	
5	scannerId	{moa-att 25}	—	o		m		x	
6	granularityPeriod	{moa-att 23}	—	m		m		m	
7	administrativeState	{dmi-att 31}	—	m		m		m	
8	operationalState	{dmi-att 35}		x		m		x	
9	availabilityStatus	{dmi-att 33}	off-duty required	c10		c11		c10	
10	periodSynchronizationTime	{moa-att 24}	—	c12		c12		c12	
11	startTime	{dmi-att 68}	—	c13		c13		c13	
12	stopTime	{dmi-att 69}	DMI default	c13		c13		c13	
13	intervalsOfDay	{dmi-att 57}	DMI default	c14		c14		c14	
14	weekMask	{dmi-att 71}	DMI default	c15		c15		c15	
15	schedulerName	{dmi-att 67}	—	o		c16		x	
16	timeStampReportMode	{summ-att 29}	timeStamping Off default	c17		c17		c17	
17	baseManagedObject	{summ-att 3}	—	c18		c18		c18	
18	scope	{summ-att 25}	—	c18		c18		c18	
19	scanningFilter	{summ-att 24}	—	c18		c18		c18	
20	beginTimeOffset	{summ-att 4}	—	c19		c19		c19	
21	endTimeOffset	{summ-att 7}	—	c19		c19		c19	
22	timeAttributeIdentifier	{summ-att 28}	—	c19		c19		c19	
23	objectList	{summ-att 12}	—	c20		c20		c20	
24	numericAttributeIdList	{summ-att 11}	—	m		m		m	
25	suppressObjectInstance	{summ-att 26}	—	m		m		m	

(continued on next page)

Table H.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	–		–		x		
2	–		–		c4		
3	c7		c7		c7		
4	–		–		–		
5	–		–		x		
6	–		–		c4		
7	–		–		c4		
8	–		–		x		
9	c10		c10		c10		
10	–		–		c4		
11	c13		c13		c13		
12	–		–		c13		
13	c14		c14		c14		
14	c15		c15		c15		
15	–		–		x		
16	–		–		c17		
17	–		–		c4		
18	–		–		c4		
19	–		–		c18		
20	–		–		c4		
21	–		–		c4		
22	–		–		c4		
23	c20		c20		c4		
24	m		m		c4		
25	–		–		c4		

c4: if H.1/1b then x else –
 c5: if H.3/2a then o else –
 c6: if H.3/2a then m else –
 c7: if H.3/2a then x else –
 c8: if H.3/3a then o else –
 c9: if H.3/3a then m else –
 c10: if H.3/5a then x else –
 c11: if H.3/10a then m else –
 c12: if H.3/10a then m else –
 c13: if H.3/6a then m else –
 c14: if H.3/7a then m else –
 c15: if H.3/8a then m else –
 c16: if H.3/9a then m else –
 c17: if H.3/15a then m else –
 c18: if H.3/16a then m else –
 c19: if H.3/17a then m else –
 c20: if H.3/18a then m else –

H.5 Notifications

Table H.5 – Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information
					Confirmed	Non-confirmed	
1	objectCreation	{dmi-not 6}	—	c21			
2	objectDeletion	{dmi-not 7}	—	c21			
3	attributeValueChange	{dmi-not 1}	—	c22			
4	stateChange	{dmi-not 14}	—	c23			
5	statisticalReport	{summ-not 3}	—	m			
c21: if H.5/11a then m else – c22: if H.5/12a then m else – c23: if H.5/13a then m else –							

The detailed requirements for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table D.5. The detailed requirements for staticalReport notification for this managed object class are as specified in Table G.5. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of the tables for objectCreation, objectDeletion, attributeValueChange and stateChange notifications in Table D.5 and staticalReport notification in Table G.5 for this managed object class if the support is different.

H.6 Actions

Table H.6 – Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Status	Support	Additional information
1	activateStatisticalReport	{summ-act 2}	1.1	Information	No information syntax	m		No support table required
			1.2	Reply		m		

The detailed requirements for the above action for this managed object class are as specified in Table F.6. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of the tables for activateScanReport action in Table F.6 for this managed object class if the support is different.

H.7 Parameters

Table H.7 – Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	scanActionError	{summ-prm 1}	—	m		

Anexo I

Formulario de MOCS¹⁴⁾ para la clase de objeto gestionado de máximo/mínimo («Min max scanner»)

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

I.1 Introduction

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

I.1.1 Instructions for completing the MOCS proforma to produce a MOCS¹⁵⁾

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

I.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-not	joint-iso-ccitt ms(9) smi(3) part2(2) notification(10)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-att	joint-iso-ccitt ms(9) function(2) part13(13) attribute(7)
summ-not	joint-iso-ccitt ms(9) function(2) part13(13) notification(10)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
summ-act	joint-iso-ccitt ms(9) function(2) part13(13) action(9)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-pkg	joint-iso-ccitt ms(9) function(2) part11(11) package(4)
m3100-pkg	ccitt recommendation(0) m(13) gnm(3100) m3100InformationModel(0) package(4)

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

I.2 Statement of conformance to the managed object class

Table I.1 – Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	minMaxScanner	{summ-mo 10}		

¹⁴⁾ Comunicado sobre derechos de autor del formulario de MOCS

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

¹⁵⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

If the answer to the actual class question in Table I.1 is no, the supplier of the implementation shall fill in the actual class support Table I.2.

Table I.2 – Actual class support

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

I.3 Packages

Table I.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{dmi-pkg 16}	–	c1		
3	allomorphicPackage	{dmi-pkg 17}	–	c2		
4	scannerPackage	–	–	m		
5	availabilityStatusPackage	{dmi-pkg 22}	–	c3		
6	duration	{dmi-pkg 26}	–	o		
7	dailyScheduling	{dmi-pkg 25}	–	o		
8	weeklyScheduling	{dmi-pkg 29}	–	o		
9	externalScheduler	{dmi-pkg 27}	–	o		
10	periodSynchronizationPackage	{moa-pkg 10}	–	o		
11	createDeleteNotificationPackage	{m3100-pkg 10}	–	o		
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	–	o		
13	stateChangeNotificationPackage	{m3100-pkg 28}	–	o		
14	homogeneousScannerPackage	–	–	m		
15	timeStampReportPackage	{summ-pkg 13}	–	o		
16	scopedSelectionPackage	{summ-pkg 10}	–	o.30		
17	timingSelectionPackage	{summ-pkg 13}	–	o		
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	–	o.30		
19	ensemblePackage	–	–	m		
20	minMaxScannerPackage	–	–	m		
21	meanCalculationPackage	{summ-pkg 1}	–	o		
c1: if I.3/3a or I.3/5a or I.3/6a or I.3/7a or I.3/8a or I.3/9a or I.3/10a or I.3/11a or I.3/12a or I.3/13a or I.3/15a or I.3/16a or I.3/17a or I.3/18a or I.3/21a then m else – c2: if I.1/1b then – else m c3: if I.3/6a or I.3/7a or I.3/8a or I.3/9a then m else –						

I.4 Attributes**Table I.4 – Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Cretae		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	—	m		m		x	
2	nameBinding	{dmi-att 63}	—	o		m		c4	
3	packages	{dmi-att 66}	—	c5		c6		c7	
4	allomorphs	{dmi-att 50}	—	c8		c9		—	
5	scannerId	{moa-att 25}	—	o		m		x	
6	granularityPeriod	{moa-att 23}	—	m		m		m	
7	administrativeState	{dmi-att 31}	—	m		m		m	
8	operationalState	{dmi-att 35}		x		m		x	
9	availabilityStatus	{dmi-att 33}	off-duty required	c10		c11		c10	
10	periodSynchronizationTime	{moa-att 24}	—	c12		c12		c12	
11	startTime	{dmi-att 68}	—	c13		c13		c13	
12	stopTime	{dmi-att 69}	DMI default	c13		c13		c13	
13	intervalsOfDay	{dmi-att 57}	DMI default	c14		c14		c14	
14	weekMask	{dmi-att 71}	DMI default	c15		c15		c15	
15	schedulerName	{dmi-att 67}	—	o		c16		x	
16	timeStampReportMode	{summ-att 29}	timeStamping Off default	c17		c17		c17	
17	baseManagedObject	{summ-att 3}	—	c18		c18		c18	
18	scope	{summ-att 25}	—	c18		c18		c18	
19	scanningFilter	{summ-att 24}	—	c18		c18		c18	
20	beginTimeOffset	{summ-att 4}	—	c19		c19		c19	
21	endTimeOffset	{summ-att 7}	—	c19		c19		c19	
22	timeAttributeIdentifier	{summ-att 28}	—	c19		c19		c19	
23	objectList	{summ-att 12}	—	c20		c20		c20	
24	numericAttributeIdList	{summ-att 11}	—	m		m		m	
25	suppressObjectInstance	{summ-att 26}	—	m		m		m	

(continued on next page)

Table I.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	–		–		x		
2	–		–		c4		
3	c7		c7		c7		
4	–		–		–		
5	–		–		x		
6	–		–		c4		
7	–		–		c4		
8	–		–		x		
9	c10		c10		c10		
10	–		–		c4		
11	c13		c13		c13		
12	–		–		c13		
13	c14		c14		c14		
14	c15		c15		c15		
15	–		–		x		
16	–		–		c17		
17	–		–		c4		
18	–		–		c4		
19	–		–		c18		
20	–		–		c4		
21	–		–		c4		
22	–		–		c4		
23	c20		c20		c4		
24	m		m		c4		
25	–		–		c4		

c4: if I.1/1b then x else –
 c5: if I.3/2a then o else –
 c6: if I.3/2a then m else –
 c7: if I.3/2a then x else –
 c8: if I.3/3a then o else –
 c9: if I.3/3a then m else –
 c10: if I.3/5a then x else –
 c11: if I.3/10a then m else –
 c12: if I.3/10a then m else –
 c13: if I.3/6a then m else –
 c14: if I.3/7a then m else –
 c15: if I.3/8a then m else –
 c16: if I.3/9a then m else –
 c17: if I.3/15a then m else –
 c18: if I.3/16a then m else –
 c19: if I.3/17a then m else –
 c20: if I.3/18a then m else –

I.5 Notifications**Table I.5 – Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information
					Confirmed	Non-confirmed	
1	objectCreation	{dmi-not 6}	—	c21			
2	objectDeletion	{dmi-not 7}	—	c21			
3	attributeValueChange	{dmi-not 1}	—	c22			
4	stateChange	{dmi-not 14}	—	c23			
5	statisticalReport	{summ-not 3}	—	m			
c21: if I.5/11a then m else – c22: if I.5/12a then m else – c23: if I.5/13a then m else –							

The detailed requirements for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table D.5. The detailed requirements for staticalReport notification for this managed object class are as specified in Table G.5. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of the tables for objectCreation, objectDeletion, attributeValueChange and stateChange notifications in Table D.5 and staticalReport notification in Table G.5 for this managed object class if the support is different.

I.6 Actions**Table I.6 – Action support**

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Status	Support	Additional information
1	activateStatisticalReport	{summ-act 3}	1.1	Information	No information syntax	m		No support table required
			1.2	Reply		m		

The detailed requirements for the above action for this managed object class are as specified in Table F.6. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of the tables for activateScanReport action in Table F.6 for this managed object class if the support is different.

I.7 Parameters**Table I.7 – Parameter support**

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	scanActionError	{summ-prm 1}	—	m		

Anexo J

Formulario de MOCS¹⁶⁾ para la clase de objeto gestionado escáner de percentil («Percentile scanner»)

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

J.1 Introduction

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

J.1.1 Instructions for completing the MOCS proforma to produce a MOCS¹⁷⁾

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

J.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-not	joint-iso-ccitt ms(9) smi(3) part2(2) notification(10)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-att	joint-iso-ccitt ms(9) function(2) part13(13) attribute(7)
summ-not	joint-iso-ccitt ms(9) function(2) part13(13) notification(10)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
summ-act	joint-iso-ccitt ms(9) function(2) part13(13) action(9)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-pkg	joint-iso-ccitt ms(9) function(2) part11(11) package(4)
m3100-pkg	ccitt recommendation(0) m(13) gnm(3100) m3100InformationModel(0) package(4)

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

J.2 Statement of conformance to the managed object class

Table J.1 – Managed object class support

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	percentileScanner	{summ-mo 11}		

¹⁶⁾ Comunicado sobre derechos de autor del formulario de MOCS

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

¹⁷⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

If the answer to the actual class question in Table J.1 is no, the supplier of the implementation shall fill in the actual class support Table J.2.

Table J.2 – Actual class support

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

J.3 Packages

Table J.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{dmi-pkg 16}	–	c1		
3	allomorphicPackage	{dmi-pkg 17}	–	c2		
4	scannerPackage	–	–	m		
5	availabilityStatusPackage	{dmi-pkg 22}	–	c3		
6	duration	{dmi-pkg 26}	–	o		
7	dailyScheduling	{dmi-pkg 25}	–	o		
8	weeklyScheduling	{dmi-pkg 29}	–	o		
9	externalScheduler	{dmi-pkg 27}	–	o		
10	periodSynchronizationPackage	{moa-pkg 10}	–	o		
11	createDeleteNotificationPackage	{m3100-pkg 10}	–	o		
12	attributeValueChangeNotificationPackage	{m3100 pkg 4}	–	o		
13	stateChangeNotificationPackage	{m3100-pkg 28}	–	o		
14	homogeneousScannerPackage	–	–	m		
15	timeStampReportPackage	{summ-pkg 13}	–	o		
16	scopedSelectionPackage	{summ-pkg 10}	–	o.31		
17	timingSelectionPackage	{summ-pkg 13}	–	o		
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	–	o.31		
19	ensemblePackage	–	–	m		
20	percentileScannerPackage	–	–	m		
21	meanCalculationPackage	{summ-pkg 1}	–	o		
c1: if J.3/3a or J.3/5a or J.3/6a or J.3/7a or J.3/8a or J.3/9a or J.3/10a or J.3/11a or J.3/12a or J.3/13a or J.3/15a or J.3/16a or J.3/17a or J.3/18a or J.3/21a then m else –						
c2: if J.1/1b then – else m						
c3: if J.3/6a or J.3/7a or J.3/8a or J.3/9a then m else –						

J.4 Attributes**Table J.4 – Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	—	m		m		x	
2	nameBinding	{dmi-att 63}	—	o		m		c4	
3	packages	{dmi-att 66}	—	c5		c6		c7	
4	allomorphs	{dmi-att 50}	—	c8		c9		—	
5	scannerId	{moa-att 25}	—	o		m		x	
6	granularityPeriod	{moa-att 23}	—	m		m		m	
7	administrativeState	{dmi-att 31}	—	m		m		m	
8	operationalState	{dmi-att 35}		x		m		x	
9	availabilityStatus	{dmi-att 33}	off-duty required	c10		c11		c10	
10	periodSynchronizationTime	{moa-att 24}	—	c12		c12		c12	
11	startTime	{dmi-att 68}	—	c13		c13		c13	
12	stopTime	{dmi-att 69}	DMI default	c13		c13		c13	
13	intervalsOfDay	{dmi-att 57}	DMI default	c14		c14		c14	
14	weekMask	{dmi-att 71}	DMI default	c15		c15		c15	
15	schedulerName	{dmi-att 67}	—	o		c16		x	
16	timeStampReportMode	{summ-att 29}	timeStamping Off default	c17		c17		c17	
17	baseManagedObject	{summ-att 3}	—	c18		c18		c18	
18	scope	{summ-att 25}	—	c18		c18		c18	
19	scanningFilter	{summ-att 24}	—	c18		c18		c18	
20	beginTimeOffset	{summ-att 4}	—	c19		c19		c19	
21	endTimeOffset	{summ-att 7}	—	c19		c19		c19	
22	timeAttributeIdentifier	{summ-att 28}	—	c19		c19		c19	
23	objectList	{summ-att 12}	—	c20		c20		c20	
24	numericAttributeIdList	{summ-att 11}	—	m		m		m	
25	suppressObjectInstance	{summ-att 26}	—	m		m		m	
26	configurablePCT	{moa-att 0}	—	m		m		m	

(continued on next page)

Table J.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	–		–		x		
2	–		–		c4		
3	c7		c7		c7		
4	–		–		–		
5	–		–		x		
6	–		–		c4		
7	–		–		c4		
8	–		–		x		
9	c10		c10		c10		
10	–		–		c4		
11	c13		c13		c13		
12	–		–		c13		
13	c14		c14		c14		
14	c15		c15		c15		
15	–		–		x		
16	–		–		c17		
17	–		–		c4		
18	–		–		c4		
19	–		–		c18		
20	–		–		c4		
21	–		–		c4		
22	–		–		c4		
23	c20		c20		c4		
24	m		m		c4		
25	–		–		c4		
26	–		–		c4		
c4: if J.1/1b then x else – c5: if J.3/2a then o else – c6: if J.3/2a then m else – c7: if J.3/2a then x else – c8: if J.3/3a then o else – c9: if J.3/3a then m else – c10: if J.3/5a then x else – c11: if J.3/10a then m else – c12: if J.3/10a then m else – c13: if J.3/6a then m else – c14: if J.3/7a then m else – c15: if J.3/8a then m else – c16: if J.3/9a then m else – c17: if J.3/15a then m else – c18: if J.3/16a then m else – c19: if J.3/17a then m else – c20: if J.3/18a then m else –							

J.5 Notifications**Table J.5 – Notification support**

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	Support		Additional information
					Confirmed	Non-confirmed	
1	objectCreation	{dmi-not 6}	—	c21			
2	objectDeletion	{dmi-not 7}	—	c21			
3	attributeValueChange	{dmi-not 1}	—	c22			
4	stateChange	{dmi-not 14}	—	c23			
5	statisticalReport	{summ-not 3}	—	m			
c21: if J.5/11a then m else – c22: if J.5/12a then m else – c23: if J.5/13a then m else –							

The detailed requirements for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table D.5. The detailed requirements for staticalReport notification for this managed object class are as specified in Table G.5. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of the tables for objectCreation, objectDeletion, attributeValueChange and stateChange notifications in Table D.5 and staticalReport notification in Table G.5 for this managed object class if the support is different.

J.6 Actions**Table J.6 – Action support**

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Status	Support	Additional information
1	activateStatisticalReport	{summ-act 3}	1.1	Information	No information syntax	m		No support table required
			1.2	Reply		m		

The detailed requirements for the above action for this managed object class are as specified in Table F.6. For this reason the table is not repeated here. The supplier of the implementation needs to complete a copy of the tables for activateScanReport action in Table F.6 for this managed object class if the support is different.

J.7 Parameters**Table J.7 – Parameter support**

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	scanActionError	{summ-prm 1}	—	m		

Anexo K

Formulario de MOCS¹⁸⁾
para la clase de objeto gestionado escáner simple dinámico («Dynamic simple scanner»)
 (Este anexo es parte integrante de esta Recomendación | Norma Internacional)

K.1 Introduction

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

K.1.1 Instructions for completing the MOCS proforma to produce a MOCS¹⁹⁾

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

K.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-act	joint-iso-ccitt ms(9) function(2) part13(13) action(9)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)

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

K.2 Statement of conformance to the managed object class**Table K.1 – Managed object class support**

Index	Managed object class template label	Value of object identifier for class	Support of all mandatory features? (Y/N)	Is the actual class the same as the managed object class to which conformance is claimed? (Y/N)
1	dynamicScanner	{summ-mo 4}		

If the answer to the actual class question in Table K.1 is no, the supplier of the implementation shall fill in the actual class support Table K.2.

Table K.2 – Actual class support

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

¹⁸⁾ **Comunicado sobre derechos de autor del formulario de MOCS**

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

¹⁹⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

K.3 Packages

Table K.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{dmi-pkg 16}	–	c1		
3	allomorphicPackage	{dmi-pkg 17}	–	c2		
4	dynamicScannerPackage	–	–	m		
5	dynamicSimpleScannerPackage	–	–	m		
c1: if K.3/3a then m else – c2: if K.1/1b then – else m						

K.4 Attributes

Table K.4 – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	–	m		m		x	
2	nameBinding	{dmi-att 63}	–	o		m		c4	
3	packages	{dmi-att 66}	–	c5		c6		c7	
4	allomorphs	{dmi-att 50}	–	c8		c9		–	
5	scannerId	{moa-att 25}	–	o		m		x	
6	administrativeState	{dmi-att 31}	–	m		m		m	
7	operationalState	{dmi-att 35}		x		m		x	

Table K.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	–		–		x		
2	–		–		c4		
3	c7		c7		c7		
4	–		–		–		
5	–		–		x		
6	–		–		c4		
7	–		–		x		
c4: if K.1/1b then x else – c5: if K.3/2a then o else – c6: if K.3/2a then m else – c7: if K.3/2a then x else – c8: if K.3/3a then o else – c9: if K.3/3a then m else –							

K.5 Notifications

The dynamic simple scanner has no notifications.

K.6 Actions**Table K.5 – Action support**

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Status	Support	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		m		
			1.2	Reply		m		

(continued below)

Table K.5 (continued) – Action support (continued for Index 1.1)

Index 1.1 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1.1.1	scanAttributeIdList	{summ-att 21}	–	m		
1.1.2	numericAttributeIdArray	{summ-att 10}	–	m		
1.1.3	scopedSelection	–	–	m		
1.1.3.1	baseManagedObject	–	–	m		
1.1.3.1.1	distinguishedName	–	–	m		
1.1.3.1.2	nonSpecificForm	–	–	m		
1.1.3.1.3	localDistinguishedName	–	–	m		
1.1.3.2	scope	–	–	m		
1.1.3.3	scanningFilter	–	–	m		
1.1.4	objectList	–	–	m		
1.1.5	suppressObjectInstance	{summ-att 26}	–	m		
1.1.6	onceReportAttributeIdList	{summ-att 16}	–	m		
1.1.7	timeStampReportMode	{summ-att 29}	–	m		

(continued on next page)

Table K.5 (concluded) – Action support (concluded for Index 1.2)

Index 1.2 Subindex	Action field name label	Value of object identifier of attribute type associated with field	Constraints and values	Status	Support	Additional information
1.2.1	scanInitiationTime	{summ-att 22}	–	o		
1.2.2	onceReportAttributeList	{summ-att 16}	–	o		
1.2.3	observationScanList	{summ-att 15}	–	m		
1.2.3.1	observedObjectInstance	–	–	o		
1.2.3.1.1	distinguishedName	–	–	c:o.32		
1.2.3.1.2	nonSpecificForm	–	–	c:o.32		
1.2.3.1.3	localDistinguishedName	–	–	c:o.32		
1.2.3.2	attributeMeasureList	–	–	o		
1.2.3.2.1	attributeId	–	–	c:m		
1.2.3.2.2	attributeValue	–	–	c:o		
1.2.3.2.3	timeStamp	–	–	c:o		
1.2.3.2.4	suspectFlag	–	Default FALSE	c:o		
1.2.3.3	numericValueArray	–	–	c:o		
1.2.3.3.1	missingData	–	–	c:o.33		
1.2.3.3.2	valueOnly	–	–	c:o.33		
1.2.3.3.3	qualifiedValue	–	–	c:o.33		
1.2.3.3.3.1	value	–	–	c:m		
1.2.3.3.3.2	timeStamp	–	–	c:o		
1.2.3.3.3.3	suspectFlag	–	Default FALSE	c:o		
1.2.4	incompleteScan	{summ-att 30}	–	o		
1.2.5	additionalText	{dmi-att 7}	–	o		
1.2.6	additionalInformation	{dmi-att 6}	–	o		

K.7 Parameters

Table K.6 – Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Status	Support	Additional information
1	scanActionError	{summ-prm 1}	–	m		

Anexo L

Formulario de MOCS²⁰⁾
para la clase de objeto gestionado registro de informe de escáner de memoria tampón
(«Buffered scan report record»)

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

L.1 Introduction

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

L.1.1 Instructions for completing the MOCS proforma to produce a MOCS²¹⁾

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

L.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)

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

L.2 Statement of conformance to the managed object class**Table L.1 – Managed object class support**

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

²⁰⁾ **Comunicado sobre derechos de autor del formulario de MOCS**

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

²¹⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

If the answer to the actual class question in Table L.1 is no, the supplier of the implementation shall fill in the actual class support Table L.2.

Table L.2 – Actual class support

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

L.3 Packages

Table L.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{dmi-pkg 16}	–	c1		
3	allomorphicPackage	{dmi-pkg 17}	–	c2		
4	logRecordPackage	–	–	m		
5	eventLogRecordPackage	–	–	m		
6	eventTimePackage	{dmi-pkg 11}	–	o		
7	notificationIdentifierPackage	{dmi-pkg 24}	–	o		
8	correlatedNotificationsPackage	{dmi-pkg 23}	–	o		
9	additionalTextPackage	{dmi-pkg 19}	–	o		
10	additionalInformationPackage	{dmi-pkg 18}	–	o		
11	bufferedScanReportPackage	–	–	m		
12	firstScanInitiationTimePackage	{summ-pkg 3}	–	o		
13	suspectIntervalsPackage	{summ-pkg 11}	–	o		
14	incompleteScanPackage	{summ-pkg 14}	–	o		
c1: if L.3/3a or L.3/6a or L.3/7a or L.3/8a or L.3/9a or L.3/10a or L.3/12a or L.3/13a or L.3/14a then m else – c2: if L.1/1b then – else m						

L.4 Attributes**Table L.4 – Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Cretae		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	—	x		m		x	
2	nameBinding	{dmi-att 63}	—	x		m		x	
3	packages	{dmi-att 66}	—	x		c3		x	
4	allomorphs	{dmi-att 50}	—	x		c4		x	
5	logRecordId	{dmi-att 3}	—	x		m		x	
6	loggingTime	{dmi-att 59}	—	x		m		x	
7	managedObjectClass	{dmi-att 60}	—	x		m		x	
8	managedObjectInstance	{dmi-att 61}	—	x		m		x	
9	eventType	{dmi-att 14}	—	x		m		x	
10	eventTime	{dmi-att 13}	—	x		c5		x	
11	notificationIdentifier	{dmi-att 16}	—	x		c6		x	
12	correlatedNotifications	{dmi-att 12}	—	x		c7		x	
13	additionalText	{dmi-att 7}	—	x		c8		x	
14	additionalInformation	{dmi-att 6}	—	x		c9		x	
15	granularityPeriod	{moa-att 23}	—	x		m		x	
16	bufferedObservationList	{summ-att 6}	—	x		m		x	
17	firstScanInitiationTime	{summ-att 8}	—	x		c10		x	
18	suspectIntervals	{summ-att 27}	—	x		c11		x	
19	incompleteScan	{summ-att 30}	—	x		c12		x	

(continued on next page)

Table L.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	x		x		x		
2	x		x		x		
3	x		x		x		
4	x		x		x		
5	x		x		x		
6	x		x		x		
7	x		x		x		
8	x		x		x		
9	x		x		x		
10	x		x		x		
11	x		x		x		
12	x		x		x		
13	x		x		x		
14	x		x		x		
15	x		x		x		
16	x		x		x		
17	x		x		x		
18	x		x		x		
19	x		x		x		
c3 : if L.4/2a then m else – c4 : if L.4/3a then m else – c5 : if L.4/6a then m else – c6 : if L.4/7a then m else – c7 : if L.4/8a then m else – c8 : if L.4/9a then m else – c9 : if L.4/10a then m else – c10: if L.4/12a then m else – c11 : if L.4/13a then m else – c12 : if L.4/14a then m else –							

Anexo M

Formulario de MOCS²²⁾ para la clase de objeto gestionado registro de informe de escáner («Scan report record»)

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

M.1 Introduction

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

M.1.1 Instructions for completing the MOCS proforma to produce a MOCS²³⁾

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

M.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)

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

M.2 Statement of conformance to the managed object class

Table M.1 – Managed object class support

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

²²⁾ Comunicado sobre derechos de autor del formulario de MOCS

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

²³⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

If the answer to the actual class question in Table M.1 is no, the supplier of the implementation shall fill in the actual class support Table M.2.

Table M.2 – Actual class support

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

M.3 Packages

Table M.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{ dmi-pkg 16 }	–	c1		
3	allomorphicPackage	{ dmi-pkg 17 }	–	c2		
4	logRecordPackage	–	–	m		
5	eventLogRecordPackage	–	–	m		
6	eventTimePackage	{ dmi-pkg 11 }	–	o		
7	notificationIdentifierPackage	{ dmi-pkg 24 }	–	o		
8	correlatedNotificationsPackage	{ dmi-pkg 23 }	–	o		
9	additionalTextPackage	{ dmi-pkg 19 }	–	o		
10	additionalInformationPackage	{ dmi-pkg 18 }	–	o		
11	scanReportPackage	–	–	m		
12	scanInitiationTimePackage	{ summ-pkg 9 }	–	o		
13	onceReportAttributeListPackage	{ summ-pkg 6 }	–	o		
14	incompleteScanPackage	{ summ-pkg 14 }	–	o		
c1: if M.3/3a or M.3/6a or M.3/7a or M.3/8a or M.3/9a or M.3/10a or M.3/12a or M.3/13a or M.3/14a then m else –						
c2: if M.1/1b then – else m						

M.4 Attributes**Table M.4 – Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	—	x		m		x	
2	nameBinding	{dmi-att 63}	—	x		m		x	
3	packages	{dmi-att 66}	—	x		c3		x	
4	allomorphs	{dmi-att 50}	—	x		c4		x	
5	logRecordId	{dmi-att 3}	—	x		m		x	
6	loggingTime	{dmi-att 59}	—	x		m		x	
7	managedObjectClass	{dmi-att 60}	—	x		m		x	
8	managedObjectInstance	{dmi-att 61}	—	x		m		x	
9	eventType	{dmi-att 14}	—	x		m		x	
10	eventTime	{dmi-att 13}	—	x		c5		x	
11	notificationIdentifier	{dmi-att 16}	—	x		c6		x	
12	correlatedNotifications	{dmi-att 12}	—	x		c7		x	
13	additionalText	{dmi-att 7}	—	x		c8		x	
14	additionalInformation	{dmi-att 6}	—	x		c9		x	
15	observationScanList	{summ-att 15}	—	x		m		x	
16	scanInitiationTime	{summ-att 22}	—	x		c10		x	
17	onceReportAttributeList	{summ-att 17}	—	x		c11		x	
18	incompleteScan	{summ-att 30}	—	x		c12		x	

(continued on next page)

Table M.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	x		x		x		
2	x		x		x		
3	x		x		x		
4	x		x		x		
5	x		x		x		
6	x		x		x		
7	x		x		x		
8	x		x		x		
9	x		x		x		
10	x		x		x		
11	x		x		x		
12	x		x		x		
13	x		x		x		
14	x		x		x		
15	x		x		x		
16	x		x		x		
17	x		x		x		
18	x		x		x		
c3 : if M.4/2a then m else – c4 : if M.4/3a then m else – c5 : if M.4/6a then m else – c6 : if M.4/7a then m else – c7 : if M.4/8a then m else – c8 : if M.4/9a then m else – c9 : if M.4/10a then m else – c10: if M.4/12a then m else – c11 : if M.4/13a then m else – c12 : if M.4/14a then m else –							

Anexo N**Formulario de MOCS²⁴⁾****para la clase de objeto gestionado registro de informe estadístico («Statistical report record»)**

(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

N.1 Introduction

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

N.1.1 Instructions for completing the MOCS proforma to produce a MOCS²⁵⁾

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

N.1.2 Symbols, abbreviations and terms

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

The following abbreviations are used throughout this proforma:

dmi-att	joint-iso-ccitt ms(9) smi(3) part2(2) attribute(7)
dmi-pkg	joint-iso-ccitt ms(9) smi(3) part2(2) package(4)
summ-mo	joint-iso-ccitt ms(9) function(2) part13(13) managedObjectClass(3)
summ-pkg	joint-iso-ccitt ms(9) function(2) part13(13) package(4)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)
moa-att	joint-iso-ccitt ms(9) function(2) part11(11) attribute(7)

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

N.2 Statement of conformance to the managed object class**Table N.1 – Managed object class support**

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

²⁴⁾ **Comunicado sobre derechos de autor del formulario de MOCS**

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

²⁵⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MOCS.

If the answer to the actual class question in Table N.1 is no, the supplier of the implementation shall fill in the actual class support Table N.2.

Table N.2 – Actual class support

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

N.3 Packages

Table N.3 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Status	Support	Additional information
1	topPackage	–	–	m		
2	packagesPackage	{ dmi-pkg 16 }	–	c1		
3	allomorphicPackage	{ dmi-pkg 17 }	–	c2		
4	logRecordPackage	–	–	m		
5	eventLogRecordPackage	–	–	m		
6	eventTimePackage	{ dmi-pkg 11 }	–	o		
7	notificationIdentifierPackage	{ dmi-pkg 24 }	–	o		
8	correlatedNotificationsPackage	{ dmi-pkg 23 }	–	o		
9	additionalTextPackage	{ dmi-pkg 19 }	–	o		
10	additionalInformationPackage	{ dmi-pkg 18 }	–	o		
11	statisticalReportPackage	–	–	m		
12	scanInitiationTimePackage	{ summ-pkg 9 }	–	o		
13	observationReportListPackage	{ summ-pkg 5 }	–	o		
14	algorithmParametersPackage	{ summ-pkg 2 }	–	o		
15	incompleteScanPackage	{ summ-pkg 14 }	–	o		
c1: if N.3/3a or N.3/6a or N.3/7a or N.3/8a or N.3/9a or N.3/10a or N.3/12a or N.3/13a or N.3/14a then m else –						
c2: if N.1/1b then – else m						

N.4 Attributes**Table N.4 – Attribute support**

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Status	Support	Status	Support	Status	Support
1	objectClass	{dmi-att 65}	—	x		m		x	
2	nameBinding	{dmi-att 63}	—	x		m		x	
3	packages	{dmi-att 66}	—	x		c3		x	
4	allomorphs	{dmi-att 50}	—	x		c4		x	
5	logRecordId	{dmi-att 3}	—	x		m		x	
6	loggingTime	{dmi-att 59}	—	x		m		x	
7	managedObjectClass	{dmi-att 60}	—	x		m		x	
8	managedObjectInstance	{dmi-att 61}	—	x		m		x	
9	eventType	{dmi-att 14}	—	x		m		x	
10	eventTime	{dmi-att 13}	—	x		c5		x	
11	notificationIdentifier	{dmi-att 16}	—	x		c6		x	
12	correlatedNotifications	{dmi-att 12}	—	x		c7		x	
13	additionalText	{dmi-att 7}	—	x		c8		x	
14	additionalInformation	{dmi-att 6}	—	x		c9		x	
15	algorithmOutputs	{summ-att 1}	—	x		m		x	
16	scanInitiationTime	{summ-att 22}	—	x		c10		x	
17	observationReportList	{summ-att 14}	—	x		c11		x	
18	algorithmParameters	{summ-att 2}	—	x		c12		x	
19	incompleteScan	{summ-att 30}	—	x		c13		x	

(continued on next page)

Table N.4 (concluded) – Attribute support

Index	Add		Remove		Set to Default		Additional information
	Status	Support	Status	Support	Status	Support	
1	x		x		x		
2	x		x		x		
3	x		x		x		
4	x		x		x		
5	x		x		x		
6	x		x		x		
7	x		x		x		
8	x		x		x		
9	x		x		x		
10	x		x		x		
11	x		x		x		
12	x		x		x		
13	x		x		x		
14	x		x		x		
15	x		x		x		
16	x		x		x		
17	x		x		x		
18	x		x		x		
19	x		x		x		
c3 : if N.4/2a then m else – c4 : if N.4/3a then m else – c5 : if N.4/6a then m else – c6 : if N.4/7a then m else – c7 : if N.4/8a then m else – c8 : if N.4/9a then m else – c9 : if N.4/10a then m else – c10: if N.4/12a then m else – c11 : if N.4/13a then m else – c12 : if N.4/14a then m else – c13 : if N.4/14a then m else –							

Anexo O

Formulario de MRCS proforma para vinculación de nombres²⁶⁾
(Este anexo es parte integrante de esta Recomendación | Norma Internacional)

O.1 Introduction

The purpose of this MRCS proforma for name bindings is to provide a mechanism for a supplier which claims conformance to a name binding to provide conformance information in a standard form.

O.1.1 Symbols, abbreviations and terms

The following abbreviation is used in this proforma:

summ-nb joint-iso-ccitt ms(9) function(2) part13(13) nameBinding(6)
summ-prm joint-iso-ccitt ms(9) function(2) part13(13) action(5)

O.2 Instructions for completing the MRCS proforma for name binding to produce a MRCS²⁷⁾

The supplier of the implementation shall state which items are supported in the tables below and if necessary provide additional information.

O.3 Statement of conformance to the name binding

Table O.1 – Name binding support

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Status	Support	Additional information
1	conflictingPackagesScanner-system	{summ-nb 9}	–	o		
2	dynamicSimpleScanner-system	{summ-nb 2}	–	o		

(continued on next page)

²⁶⁾ Comunicado sobre derechos de autor del formulariod de MRCS

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

²⁷⁾ En la Rec. UIT-T X.724 | ISO/CEI 10165-6 se especifican las instrucciones para rellenar el formulario de MRCS.

Table O.1 (concluded) – Name binding support

Index	Subindex	Operation	Constraints and values	Status	Support	Additional information
1	1.1	Create support	—	c:m		
	1.1.1	Create with reference object	—	c:m		
	1.1.2	Create with automatic instance naming	—	c:m		
	1.2	Delete support	—	c:m		
	1.2.1	Delete only if no contained objects	—	c:m		
	1.2.2	Delete contained objects	—	c:x		
2	2.1	Create support	—	c:m		
	2.2	Create with reference object	—	c:m		
	2.1.2	Create with automatic instance naming	—	c:m		
	2.2	Delete support	—	c:m		
	2.2.1	Delete only if no contained objects	—	c:m		
	2.2.2	Delete contained objects	—	c:x		

Table O.2 – Parameter support

Index	Parameter template label	Value of parameter identifier	Constraints and values	Status	Support	Additional information
1	conflictingPackagesRequestedError	{summ-prm 2}	—	c1		
c1: if O.1/1.1a or O.1/2.1a then m else —						

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