



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS

UIT-T

SECTEUR DE LA NORMALISATION
DES TÉLÉCOMMUNICATIONS
DE L'UIT

X.738

Amendement 1
(10/96)

SÉRIE X: RÉSEAUX POUR DONNÉES ET
COMMUNICATION ENTRE SYSTÈMES OUVERTS
Gestion OSI

Technologies de l'information – Interconnexion des
systèmes ouverts – Gestion-systèmes: fonction de
récapitulation

**Amendement 1: Formulaires de déclaration de
conformité d'instance**

Recommandation UIT-T X.738 – Amendement 1

(Antérieurement «Recommandation du CCITT»)

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AVANT-PROPOS

L'UIT (Union internationale des télécommunications) est une institution spécialisée des Nations Unies dans le domaine des télécommunications. L'UIT-T (Secteur de la normalisation des télécommunications) est un organe permanent de l'UIT. Au sein de l'UIT-T, qui est l'entité qui établit les normes mondiales (Recommandations) sur les télécommunications, participent quelque 179 pays membres, 84 exploitations de télécommunications reconnues, 145 organisations scientifiques et industrielles et 38 organisations internationales.

L'approbation des Recommandations par les Membres de l'UIT-T s'effectue selon la procédure définie dans la Résolution n° 1 de la Conférence mondiale de normalisation des télécommunications (CMNT), (Helsinki, 1993). De plus, la CMNT, qui se réunit tous les quatre ans, approuve les Recommandations qui lui sont soumises et établit le programme d'études pour la période suivante.

Dans certains secteurs de la technologie de l'information qui correspondent à la sphère de compétence de l'UIT-T, les normes nécessaires se préparent en collaboration avec l'ISO et la CEI. Le texte de la Recommandation X.738, Amendement 1 de l'UIT-T a été approuvé le 5 octobre 1996. Son texte est publié, sous forme identique, comme Norme internationale ISO/CEI 10164-13.

NOTE

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

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Résumé

La Rec. UIT-T X.738 | ISO/CEI 10164-13 offre le plus grand nombre d'options possibles aux réalisateurs qui pourront ainsi opérer un choix au moment d'élaborer un produit. Autrement dit, le système d'exploitation (OS) d'un constructeur qui a besoin d'interfonctionner avec l'OS d'un autre constructeur doit être élaboré sur la base d'un accord explicite commun que les deux concepteurs appliqueront aux options effectives à prévoir dans leur logiciel pour les messages de type X.738. Cet amendement permet de spécifier les options des messages de façon à expliciter les textes ultérieurs qui concerneront les options effectivement choisies pour le produit. Il s'ensuit que les délais nécessaires pour procéder aux tests d'interfonctionnement entre l'OS d'un constructeur et l'OS d'un autre constructeur peuvent être réduits parce que les concepteurs de produits disposeront d'une spécification plus explicite des messages.

NORME INTERNATIONALE

RECOMMANDATION UIT-T

**TECHNOLOGIES DE L'INFORMATION – INTERCONNEXION
DES SYSTÈMES OUVERTS – GESTION-SYSTÈMES: FONCTION
DE RÉCAPITULATION**

AMENDEMENT 1

Formulaires de déclaration de conformité d'instance

1) Paragraphe 2.1

Ajouter la référence suivante:

- «– Recommandation UIT-T X.724 (1993) | ISO/CEI 10165-6:1994, *Technologies de l'information – Interconnexion des systèmes ouverts – Structure de l'information de gestion: spécifications et directives pour l'établissement des formulaires de déclaration de conformité d'instances associés à la gestion OSI.*»

2) Paragraphe 2.2

Ajouter les références suivantes:

- «– Recommandation X.291 du CCITT (1992), *Cadre général et méthodologie des tests de conformité OSI pour les Recommandations sur les protocoles pour les applications du CCITT – Spécification des suites de tests abstraites.*
- ISO/CEI 9646-2:1994, *Technologies de l'information – Interconnexion de systèmes ouverts – Cadre général et méthodologie des tests de conformité OSI – Partie 2: Spécification des suites de tests abstraites.*
- Recommandation UIT-T X.296 (1995), *Cadre général et méthodologie des tests de conformité OSI pour les Recommandations sur les protocoles pour les applications de l'UIT – Déclarations de conformité d'instance.*
- ISO/CEI 9646-7:1995, *Technologies de l'information – Interconnexion de systèmes ouverts (OSI) – Essais de conformité – Méthodologie générale et procédures: Déclarations de conformité des mises en œuvre.*»

3) Paragraphe 3.3

Ajouter les termes suivants:

- «e) déclaration de conformité d'objet géré (MOCS, *managed object conformance statement*);
- f) déclaration de conformité d'information de gestion (MICS, *management information conformance statement*);
- k) formulaire MICS;
- l) formulaire MOCS.»

Supprimer les points c): «conformité dépendante» et d): «conformité générale».

Relibeller et remettre par ordre alphabétique la liste des points.

4) Paragraphe 3.7

Ajouter les termes suivants:

- «b) formulaire PICS;
- c) déclaration de conformité d'instance de protocole.»

Remplacer le tiret «-» du terme «alarm» par «a».

5) Paragraphe 3.9

Introduire le nouveau paragraphe suivant, immédiatement après 3.8:

«3.9 Définition des formulaires de déclaration de conformité d'instance

La présente Recommandation | Norme internationale utilise les termes suivants définis dans la Rec. UIT-T X.724 | ISO/CEI 10165-6:

- a) récapitulatif de conformité de gestion (MCS, *management conformance summary*);
- b) déclaration de conformité de relation gérée (MRCS, *managed relationship conformance statement*);
- c) formulaire MCS;
- d) formulaire MRCS.»

Les paragraphes qui suivent le nouveau paragraphe 3.9 doivent être renumérotés en conséquence.

6) Article 4

Insérer les abréviations suivantes, par ordre alphabétique, à l'article 4:

- | | |
|------|--|
| «ICS | Déclaration de conformité d'instance (<i>implementation conformance statement</i>) |
| MCS | Récapitulatif de conformité de gestion (<i>management conformance summary</i>) |
| MICS | Déclaration de conformité d'information de gestion (<i>management information conformance statement</i>) |
| MIDS | Déclaration de définition d'information de gestion (<i>management information definition statement</i>) |
| MRCS | Déclaration de conformité de relation gérée (<i>managed relationship conformance statement</i>) |

7) Article 13

Remplacer l'article 13 par:

«13 Conformité

Les réalisations réputées conformes à la présente Recommandation | Norme internationale répondront aux prescriptions de conformité définies dans les paragraphes qui suivent.

13.1 Conformité statique

La réalisation sera conforme aux prescriptions de la présente Recommandation | Norme internationale dans le rôle de gestionnaire, dans le rôle d'agent ou dans les deux. Une demande de conformité de l'un de ces rôles au moins sera faite dans le Tableau B.1.

En cas de demande de conformité du rôle de gestionnaire, la réalisation prendra en compte au moins une opération de gestion, notification ou action des objets gérés spécifiés dans la présente Recommandation | Norme internationale. Les prescriptions de conformité du rôle de gestionnaire pour ces opérations, notifications et action de gestion sont énoncées dans le Tableau B.3 et d'autres tableaux mentionnés dans l'Annexe B.

En cas de demande de conformité du rôle d'agent, la réalisation prendra en compte une ou plusieurs instances de classes d'objets gérés identifiées dans le Tableau B.4 et d'autres tableaux mentionnés dans l'Annexe B.

La réalisation prendra en compte la syntaxe de transfert obtenue à partir des règles de codage spécifiées dans la Rec. X.209 du CCITT | ISO/CEI 8825, appelées {joint-iso-ccitt asn1(1) basicEncoding(1)}, pour les types de données abstraites auxquels se rapportent les définitions pour lesquelles la conformité est demandée.

13.2 Conformité dynamique

Les réalisations réputées conformes à la présente Recommandation | Norme internationale prendront en compte les éléments de procédure et les définitions de sémantique correspondant aux définitions pour lesquelles cette conformité est demandée.

13.3 Prescriptions de la déclaration de conformité de l'instance de gestion

Tout formulaire MCS, MICS, MOCS et MRCS qui est conforme à la présente Recommandation | Norme internationale doit être techniquement identique aux formulaires spécifiés dans les Annexes B à O, en respectant le numérotage des tableaux et les numéros d'ordre de la colonne «Index», et ne s'en écartant que par la pagination et les en-têtes de page.

Le fournisseur d'une réalisation qui est réputée conforme à la présente Recommandation | Norme internationale remplira un exemplaire du récapitulatif de conformité de gestion (MCS) reproduit dans l'Annexe B dans le cadre des prescriptions de conformité avec tout autre formulaire ICS qualifié d'applicable par cette déclaration MCS. Un formulaire ICS conforme à la présente Recommandation | Norme internationale:

- décrit une réalisation qui est conforme à la présente Recommandation | Norme internationale;
- a été rempli conformément aux instructions données à cet effet dans la Rec. UIT-T X.724 | ISO/CEI 10165-6;
- contient les informations nécessaires pour identifier de manière univoque tant le fournisseur que la réalisation.

Les revendications de conformité à l'information de gestion définie dans la présente Recommandation | Norme internationale dans les classes d'objet géré définies dans d'autres documents doivent inclure les prescriptions du formulaire MIDS dans le formulaire MOCS pour la classe d'objet géré.»

8) Nouvelles annexes

Ajouter les annexes suivantes à la suite de l'Annexe A:

Annexe B

Formulaire MCS¹⁾

(Cette annexe fait partie intégrante de la présente Recommandation | Norme Internationale)

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⁾ Droits de reproduction du formulaire MCS

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

²⁾ Les instructions pour compléter le formulaire MCS sont spécifiées dans la Rec. UIT-T X.724 | ISO/CEI 10165-6.

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 table. 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 –								

Annexe C

Formulaire MICS³⁾

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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		–	

(continued on next page)

³⁾ Droits de reproduction du formulaire MICS

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

Table 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	–		–		–		

(continued on next page)

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
	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	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		

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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 –						

Annexe D

Formulaire MOCS⁴⁾
pour la classe d'objet géré «Heterogeneous scanner»

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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⁾ **Droits de reproduction du formulaire MOCS**

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

⁵⁾ Les instructions pour compléter le formulaire MOCS sont spécifiées dans la Rec. UIT-T X.724 | ISO/CEI 10165-6.

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	

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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		

(continued on next page)

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		

Annexe E

Formulaire MOCS⁶⁾
pour la classe d'objet g  r   «Buffered scanner»

(Cette annexe fait partie int  grante de la pr  sente Recommandation | Norme internationale)

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⁾ **Droits de reproduction du formulaire MOCS**

Les utilisateurs de la pr  sente Recommandation | Norme internationale sont autoris  s    reproduire le formulaire MOCS de la pr  sente annexe pour utiliser celui-ci conform  ment    son objet. Ils sont   galement autoris  s    publier le formulaire une fois celui-ci compl  t  .

⁷⁾ Les instructions pour compl  ter le formulaire MOCS sont sp  cifi  es dans la Rec. UIT-T X.724 | ISO/CEI 10165-6.

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		

Annexe F

Formulaire MOCS⁸⁾ pour la classe d'objet géré «Simple scanner»

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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⁾ **Droits de reproduction du formulaire MOCS**

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

⁹⁾ Les instructions pour compléter le formulaire MOCS sont spécifiées dans la Rec. UIT-T X.724 | ISO/IEC 10165-6.

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		

Annexe G

Formulaire MOCS¹⁰⁾ pour la classe d'objet géré «Mean scanner»

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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⁾ Droits de reproduction du formulaire MOCS

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

¹¹⁾ Les instructions pour compléter le formulaire MOCS sont spécifiées dans la Rec. X.724 | ISO/CEI 10165-6.

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**

					Support		Additional information
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Status	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		

Annexe H

Formulaire MOCS¹²⁾ pour la classe d'objet géré «Mean variance scanner»

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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⁾ Droits de reproduction du formulaire MOCS

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

¹³⁾ Les instructions pour compléter le formulaire MOCS sont spécifiées dans la Rec. X.724 | ISO/CEI 10165-6.

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		

Annexe I

Formulaire MOCS¹⁴⁾
pour la classe d'objet géré «Min max scanner»

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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⁾ **Droits de reproduction du formulaire MOCS**

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

¹⁵⁾ Les instructions pour compléter le formulaire MOCS sont spécifiées dans la Rec. X.724 | ISO/CEI 10165-6.

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		

Annexe J

Formulaire MOCS¹⁶⁾ pour la classe d'objet géré «Percentile scanner»

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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⁾ Droits de reproduction du formulaire MOCS

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

¹⁷⁾ Les instructions pour compléter le formulaire MOCS sont spécifiées dans la Rec. X.724 | ISO/CEI 10165-6.

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		

Annexe K

Formulaire MOCS¹⁸⁾
pour la classe d'objet g  r   «Dynamic simple scanner»

(Cette annexe fait partie int  grante de la pr  sente Recommandation | Norme internationale)

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⁾ **Droits de reproduction du formulaire MOCS**

Les utilisateurs de la pr  sente Recommandation | Norme internationale sont autoris  s    reproduire le formulaire MOCS de la pr  sente annexe pour utiliser celui-ci conform  ment    son objet. Ils sont   galement autoris  s    publier le formulaire une fois celui-ci compl  t  .

¹⁹⁾ Les instructions pour compl  ter le formulaire MOCS sont sp  cifi  es dans la Rec. X.724 | ISO/CEI 10165-6.

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		

Annexe L

Formulaire MOCS²⁰⁾
pour la classe d'objet g  r   «Buffered scan report record»

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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) Droits de reproduction du formulaire MOCS

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

²¹⁾ Les instructions pour compléter le formulaire MOCS sont spécifiées dans la Rec. X.724 | ISO/CEI 10165-6.

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 –							

Annexe M

Formulaire MOCS²²⁾ pour la classe d'objet géré «Scan report record»

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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⁾ **Droits de reproduction du formulaire MOCS**

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

²³⁾ Les instructions pour compléter le formulaire MOCS sont spécifiées dans la Rec. X.724 | ISO/CEI 10165-6.

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 –							

Annexe N

Formulaire MOCS²⁴⁾
pour la classe d'objet géré «Statistical report record»

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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⁾ **Droits de reproduction du formulaire MOCS**

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

²⁵⁾ Les instructions pour compléter le formulaire MOCS sont spécifiées dans la Rec. X.724 | ISO/CEI 10165-6.

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 –							

Annexe O

Formulaire MRCS pour la corrélation de noms²⁶⁾

(Cette annexe fait partie intégrante de la présente Recommandation | Norme internationale)

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⁾ Droits de reproduction du formulaire MRCS

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²⁷⁾ Les instructions pour compléter le formulaire MRCS sont spécifiées dans la Rec. X.724 | ISO/CEI 10165-6.

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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