INTERNATIONAL STANDARDIZED PROFILE

ISO/IEC ISP 12059-13

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Information technology — International Standardized Profiles — OSI Management — Common information for management functions —

Part 13: Summarization

Technologies de l'information — Profils normalisés internationaux — Gestion OSI — Information courante pour fonctions de gestion —

Partie 13: Réalisation de résumé

Reference number
ISO/IEC ISP 12059-13:1996(E)

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Foreword

ISO (the International Organization for standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. In addition to developing International Standards, ISO/IEC JTC 1 has created a Special Group on Functional Standardization for the elaboration of International Standardized Profiles.

An International Standardized Profile is an internationally agreed, Harmonized document which identifies a standard or group of standards, together with options and parameters, necessary to accomplish a function or a set of functions.

Draft International Standardized Profiles are circulated to national bodies for voting. Publication as an International Standardized Profile requires approval by at least 75 % of the national bodies casting a vote.

International Standardized Profile ISO/IEC ISP 12059-13 was prepared with the collaboration of

- Asia-Oceania Workshop (AOW)

- European Workshop for Open Systems (EWOS)

- Open Systems Environment Implementors' Workshop (OIW)

ISO/IEC ISP 12059 consists of the following parts, under the general title *Information technology - International Standardized Profiles - OSI Management - Common information for management functions:*

- *Part 1: Object management*

- *Part 2: State management*

- *Part 3: Attributes for representing relationships*

- *Part 4: Alarm reporting*

- *Part 5: Event report management*

- *Part 6: Log control*

- *Part 7: Security alarm reporting*

- *Part 8: Security audit trail*

- *Part 11: Metric object and attributes*

- *Part 13: Summarization*

Annexes A to L form an integral part of this part of ISO/IEC ISP 12059.

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Information technology — International Standardized Profiles — OSI Management — Common information for management functions — Part 13:

Summarization

1 Scope

1.1 General

This part of ISO/IEC ISP 12059 is based on ITU-T Rec. X.738 | ISO/IEC 10164-13, Summarization function. This part of ISO/IEC ISP 12059 is used by ISO/IEC ISP 12060 parts as building blocks for subdividing systems management functional capabilities and generating a set of interoperating profile specifications.

1.2 Position within the Taxonomy

This part of ISO/IEC ISP 12059 may be referenced by parts of ISO/IEC ISP 12060 for the specification of management function profiles. The position of this ISP within the taxonomy is described in ISO/IEC ISP 12059-0.

2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC ISP 12059. At the time of publication, the editions indicated were valid. All documents are subject to revision and parties to agreements based on this part of ISO/IEC ISP 12059 are warned against automatically applying any more recent editions of the documents listed below, since the nature of references made by ISPs to such documents is that they may be specific to a particular edition. Members of IEC and ISO maintain registers of currently valid International Standards and ISPs, and ITU-T maintains published editions of its current Recommendations.

2.1 Identical CCITT/ITU-T Recommendations | International Standards

- ITU-T Recommendation X.200 (1994) | ISOIEC 7498-1: 1994, *Information technology - Open Systems Interconnection - Basic Reference Model: The Basic Model.*
- CCITT Recommendation X.701 (1992) | ISO/IEC 10040: 1992, *Information technology - Open Systems Interconnection - Systems management overview.*
- CCITT Recommendation X.720 (1992) | ISO/IEC 10165-1: 1993, *Information technology - Open Systems Interconnection - Structure of management information : Management Information Model.*
- CCITT Recommendation X.721 (1992) | ISO/IEC 10165-2: 1992, *Information technology - Open Systems Interconnection - Structure of management information: Definition of management information.*
- CCITT Recommendation X.722 (1992) | ISO/IEC 10165-4: 1992, *Information technology - Open Systems Interconnection - Structure of management information : Guidelines for the definition of managed objects.*
- ITU-T Recommendation X.724 (1993) | ISO/IEC 10165-6:1994, *Information technology - Open Systems Interconnection - Structure of management information: Requirements and guidelines for implementation conformance statement proformas associated with OSI management.*
- CCITT Recommendation X.730 (1992) | ISO/IEC 10164-1: 1993, *Information technology - Open Systems Interconnection - Systems Management : Object Management Function.*

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- CCITT Recommendation X.731 (1992) | ISO/IEC 10164-2: 1993, *Information technology - Open Systems Interconnection - Systems Management : State Management Function.*
- CCITT Recommendation X.733 (1992) | ISO/IEC 10164-4: 1992, *Information technology - Open Systems Interconnection - Systems Management : Alarm reporting function.*
- CCITT Recommendation X.734 (1992)| ISO/IEC 10164-5: 1993, *Information technology - Open Systems Interconnection - Systems Management : Event Report Management Function.*
- CCITT Recommendation X.735 (1992)| ISO/IEC 10164-6: 1993, *Information technology - Open Systems Interconnection - Systems Management : Log control function.*
- ITU-T Recommendation X.738 (1993)| ISO/IEC 10164-13: 1995, *Information technology - Open Systems Interconnection - Systems Management : Summarization Function.*
- ITU-T Recommendation X.739 (1993)| ISO/IEC 10164-11: 1994, *Information technology - Open Systems Interconnection - Systems Management : Metric objects and attributes.*

2.2 Paired CCITT/ITU-T Recommendations | International Standards equivalent in technical content

- CCITT Recommendation X.208 (1988), *Specification of abstract syntax notation one (ASN.1).*

  ISO/IEC 8824: 1990, *Information technology - Open Systems Interconnection - Specification of Abstract Syntax Notation One (ASN.1).*

- ITU-T Recommendation X.290 (1995), *OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - General concepts.*

  ISO/IEC 9646-1: 1994, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts.*

- ITU-T Recommendation X.291 (1995), *OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - Abstract test suite specification.*

  ISO/IEC 9646-2: 1994, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification.*

  NOTE – ISO/IEC 9646-1:1994 and ISO/IEC 9646-2:1994 supersede ISO/IEC 9646-1:1991 and ISO/IEC 9646-2:1991 respectively. However, when this part of ISO/IEC ISP 12059 was under development, the previous editions were valid and this part of ISO/IEC ISP 12059 is therefore based on these editions, which are listed below.

  ISO/IEC 9646-1: 1991, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts.*

  ISO/IEC 9646-2: 1991, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification.*

- ITU-T Recommendation X.296[1)] , *OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications - Implementation conformance statements.*

  ISO/IEC 9646-7: 1995, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements.*

- CCITT Recommendation X.700 (1992), *Management framework for Open Systems Interconnection (OSI) for CCITT applications.*

  ISO/IEC 7498-4: 1989, *Information processing systems - Open Systems Interconnection - Basic Reference Model - Part 4: Management framework.*

- CCITT Recommendation X.710 (1991), *Common management information Service Definition for CCITT Applications.*

  ISO/IEC 9595: 1991, *Information technology - Open Systems Interconnection - Common management information service definition.*

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1) Currently at the stage of Draft Recommendation.

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2.3 Additional references

- ISO/IEC 9545: 1994, *Information technology - Open Systems Interconnection - Application Layer structure.*
- ISO/IEC TR 10000-1: 1995, *Information technology - Framework and taxonomy of International Standardized Profiles - Part 1: General principles and documentation framework.*
- ISO/IEC TR 10000-2: 1995, *Information technology - Framework and taxonomy of International Standardized Profiles - Part 2: Principles and Taxonomy for OSI Profiles.*
- ISO/IEC ISP 12059-0: 1995, *Information technology - International Standardized Profiles - OSI Management - Common information for management functions - Part 0: Common definitions for management function profiles.*

3 Definitions

The terms used in this part of ISO/IEC ISP 12059 are defined in the referenced base standards.

4 Abbreviations

Abbreviations used in this part of ISO/IEC ISP 12059 are specified in ISO/IEC ISP 12059-0,

5 Conventions

5.1 Common conventions

Common conventions and status codes for profile RL, including c3, are defined in ISO/IEC ISP 12059-0.

5.2 Document specific conventions

The following conventions are used to specify conditions used in the table of this part of ISO/IEC ISP 12059:

13B/cn See ITU-T Rec X.738 | ISO/IEC 10164-13, Annex B, condition cn.

13C/cn See ITU-T Rec X.738 | ISO/IEC 10164-13, Annex C, condition cn.

13D/cn See ITU-T Rec X.738 | ISO/IEC 10164-13, Annex D, condition cn.

6 Conformance requirements

This part of ISO/IEC ISP 12059 is referenced by parts of ISO/IEC ISP 12060. Those parts of ISO/IEC ISP 12060 that reference this part each define the requirements for a particular AOM2xx profile and state the conformance requirements for that profile.

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Annex A

(normative)

Profile Requirements List (profile RL) for "Heterogeneous scanner" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

A.1 Packages support

This table is based on Table D.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.1 – Package support

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

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A.2 Attributes

This table is based on Table D.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.2 – Attribute support

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

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Table A.2 (concluded) – Attribute support

Index	Add		Remove		Set To Default		Additional information
	Base Std	Common Profile	Base Std	Common Profile	Base Std	Common Profile	
1	-	-	-	-	x	x	
2	-	-	-	-	13D/c4	i	
3	13D/c7	i	13D/c7	i	13D/c7	i	
4	-	i	-	i	-	i	
5	-	-	-	-	x	x	
6	-	-	-	-	13D/c4	i	
7	-	-	-	-	13D/c4	i	
8	-	-	-	-	x	x	
9	13D/c10	x	13D/c10	x	13D/c10	x	
10	-	-	-	-	13D/c4	i	
11	13D/c13	m	13D/c13	m	13D/c13	m	
12	-	-	-	-	13D/c13	m	
13	13D/c14	o	13D/c14	o	13D/c14	o	
14	13D/c15	m	13D/c15	m	13D/c15	m	
15	-	-	-	-	x	x	
16	m	m	m	m	13D/c4	i	
17	-	-	-	-	13D/c4	i	
18	-	-	-	-	13D/c17	m	
19	13D/c18	m	13D/c18	m	13D/c4	i	

A.3 Notification support

This tables is based on Table D.5 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.3 - Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std	Common Profile	
					Confirmed	Non-Confirmed
1	objectCreation	{dmi-not 6}	-	13D/c19	o.1	o.1
2	objectDeletion	{dmi-not 7}	-	13D/c19	o.2	o.2
3	attributeValueChange	{dmi-not 1}	-	13D/c20	o.3	o.3
4	stateChange	{dmi-not 14}	-	13D/c21	o.4	o.4
5	scanReport	{summ-not 2}	-	m	m	m

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Table A.3 (continued) — Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Base std.	Common profile
1	1.1	sourceIndicator	{dmi-att 26}	-	o	o
	1.2	attributeList	{dmi-att 9}	-	o	o
	1.3	notificationIdentifier	{dmi-att 16}	-	13D/c22	13D/c22
	1.4	correlatedNotifications	{dmi-att 12}	-	o	o
	1.4.1	correlatedNotification	-	-	c:m	c:m
	1.4.2	sourceObjectInst	-	-	c:o	c:o
	1.4.2.1	distinguishedName	-	-	c:o.5	c:o.6
	1.4.2.2	nonSpecificForm	-	-	c:o.5	c:o.6
	1.4.2.3	localDistinguishedName	-	-	c:o.5	c:o.6
	1.5	additionalText	{dmi-att 7}	-	o	o
	1.6	additionalInformation	{dmi-att 6}	-	-	-
2	2.1	sourceIndicator	{dmi-att 26}	-	o	o
	2.2	attributeList	{dmi-att 9}	-	o	o
	2.3	notificationIdentifier	{dmi-att 16}	-	13D/c23	13D/c23
	2.4	correlatedNotifications	{dmi-att 12}	-	o	o
	2.4.1	correlatedNotification	-	-	c:m	c:m
	2.4.2	sourceObjectInst	-	-	c:o	c:o
	2.4.2.1	distinguishedName	-	-	c:o.7	c:o.8
	2.4.2.2	nonSpecificForm	-	-	c:o.7	c:o.8
	2.4.2.3	localDistinguishedName	-	-	c:o.7	c:o.8
	2.5	additionalText	{dmi-att 7}	-	o	o
	2.6	additionalInformation	{dmi-att 6}	-	-	-
3	3.1	sourceIndicator	{dmi-att 26}	-	o	o
	3.2	attribute identifier list	{dmi-att 8}	-	o	o
	3.3	attributeValueChange definition	{dmi-att 10}	-	m	m
	3.3.1	attributeId	-	-	m	m
	3.3.2	oldAttributeValue	-	-	o	o
	3.3.3	newAttributeValue	-	-	m	m
	3.4	notificationIdentifier	{dmi-att 16}	-	13D/c24	13D/c24
	3.5	correlatedNotifications	{dmi-att 12}	-	o	o
	3.5.1	correlatedNotification	-	-	c:m	c:m
	3.5.2	sourceObjectInst	-	-	c:o	c:o
	3.5.2.1	distinguishedName	-	-	c:o.9	c:o.10
	3.5.2.2	nonSpecificForm	-	-	c:o.9	c:o.10
	3.5.2.3	localDistinguishedName	-	-	c:o.9	c:o.10
	3.6	additionalText	{dmi-att 7}	-	o	o
	3.7	additionalInformation	{dmi-att 6}	-	-	-

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Table A.3 (concluded) — Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Base std.	Common profile
4	4.1	sourceIndicator	{dmi-att 26}	-	o	o
	4.2	attribute identifier list	{dmi-att 8}	-	o	o
	4.3	stateChangeDefinition	{dmi-att 28}	-	m	m
	4.3.1	attributeId	-	-	m	m
	4.3.2	oldAttributeValue	-	-	o	o
	4.3.3	newAttributeValue	-	-	m	m
	4.4	notificationIdentifier	{dmi-att 16}	-	13D/c25	13D/c25
	4.5	correlatedNotifications	{dmi-att 12}	-	o	o
	4.5.1	correlatedNotification	-	-	c:m	c:m
	4.5.2	sourceObjectInst	-	-	c:o	c:o
	4.5.2.1	distinguishedName	-	-	c:o.11	c:o.12
	4.5.2.2	nonSpecificForm	-	-	c:o.11	c:o.12
	4.5.2.3	localDistinguishedName	-	-	c:o.11	c:o.12
	4.6	additionalText	{dmi-att 7}	-	o	o
	4.7	additionalInformation	{dmi-att 6}	-	-	-
5	5.1	scanInitiationTime	{summ-att 22}	-	o	o
	5.2	onceReportAttributeList	{summ-att 16}	-	o	o
	5.3	observationScanList	{summ-att 15}	-	m	m
	5.3.1	observedObjectInstance	-	-	o	m
	5.3.1.1	distinguishedName	-	-	c:o.13	o.14
	5.3.1.2	nonSpecificForm	-	-	c:o.13	o.14
	5.3.1.3	localDistinguishedName	-	-	c:o.13	o.14
	5.3.2	attributeMeasureList	-	-	o	m
	5.3.2.1	attributeId	-	-	c:m	m
	5.3.2.2	attributeValue	-	-	c:o	m
	5.3.2.3	timeStamp	-	-	c:o	o
	5.3.2.4	suspectFlag	-	Default FALSE	c:o	o
	5.3.3	numericValueArray	-	-	c:o	o
	5.3.3.1	missingData	-	-	c:o.15	c:o.16
	5.3.3.2	valueOnly	-	-	c:o.15	c:o.16
	5.3.3.3	qualifiedValue	-	-	c:o.15	c:o.16
	5.3.3.3.1	value	-	-	c:m	c:m
	5.3.3.3.2	timeStamp	-	-	c:o	c:o
	5.3.3.3.3	suspectFlag	-	Default FALSE	c:o	c:o
	5.4	incompleteScan	{summ-att 30}	-	o	o
	5.5	additionalText	{dmi-att 7}	-	o	o
	5.6	additionalInformation	{dmi-att 6}	-	o	o

A.4 Action support

This table is based on Table D.6 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

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Table A.4 — Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Base std.	Common profile
1	activateScanReport	{summ-act 2}	1.1	Information	No information syntax	m	m
			1.2	Reply	-	m	m

continued below

Table A.4 — Action support (concluded for Index 1.2)

Index 1.2 Subindex	Action field name label	Value of object identifier of type associated with field	Constraints and Values	Base Std	Common Profile
1.2.1	scanInitiationTime	{summ-att 22}	-	o	o
1.2.2	onceReportAttributeList	{summ-att 16}	-	o	o
1.2.3	observationScanList	{summ-att 15}	-	m	m
1.2.3.1	observedObjectInstance	-	-	o	m
1.2.3.1.1	distinguishedName	-	-	c:o.17	o.18
1.2.3.1.2	nonSpecificForm	-	-	c:o.17	o.18
1.2.3.1.3	localDistinguishedName	-	-	c:o.17	o.18
1.2.3.2	attributeMeasureList	-	-	o	m
1.2.3.2.1	attributeId	-	-	c:m	m
1.2.3.2.2	attributeValue	-	-	c:o	m
1.2.3.2.3	timeStamp	-	-	c:o	o
1.2.3.2.4	suspectFlag	-	Default FALSE	c:o	o
1.2.3.3	numericValueArray	-	-	c:o	o
1.2.3.3.1	missingData	-	-	c:o.19	c:o.20
1.2.3.3.2	valueOnly	-	-	c:o.19	c:o.20
1.2.3.3.3	qualifiedValue	-	-	c:o.19	c:o.20
1.2.3.3.3.1	value	-	-	c:m	c:m
1.2.3.3.3.2	timeStamp	-	-	c:o	c:o
1.2.3.3.3.3	suspectFlag	-	Default FALSE	c:o	c:o
1.2.4	incompleteScan	{summ-att 30}	-	o	o
1.2.5	additionalText	{summ-att 7}	-	o	o
1.2.6	additionalInformation	{summ-att 6}	-	o	o

A.5 Parameter support

This table is based on Table D.7 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.5 — Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and Values	Base Std	Common Profile
1	scanActionError	{summ-prm 1}	-	m	m

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Annex B

(normative)

Profile Requirements List (profile RL) for "Buffered scanner" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

B.1 Packages support

This table is based on Table E.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table B.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16}	-	13E/c1	m
3	allomorphicPackage	{dmi-pkg 17}	-	13E/c2	i
4	scannerPackage	-	-	m	m
5	availabilityStatusPackage	{dmi-pkg 22}	-	13E/c3	m
6	duration	{dmi-pkg 26}	-	o	m
7	dailyScheduling	{dmi-pkg 25}	-	o	o
8	weeklyScheduling	{dmi-pkg 29}	-	o	m
9	externalScheduler	{dmi-pkg 27}	-	o	o
10	periodSynchronizationPackage	{moa-pkg 10}	-	o	m
11	createDeleteNotificationPackage	{m3100-pkg 10}	-	o	m
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	-	o	m
13	stateChangeNotificationPackage	{m3100-pkg 28}	-	o	m
14	buffredScannerPackage	-	-	m	m
15	timeStampReportPackage	{summ-pkg 13}	-	o	m

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B.2 Attributes

This table is based on Table E.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table B.2 – Attribute support

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

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Table B.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std	Common Profile	Base Std	Common Profile	Base Std	Common Profile	Additional information
1	-	-	-	-	x	x	
2	-	-	-	-	13E/c4	i	
3	13E/c7	i	13E/c7	i	13E/c7	i	
4	-	i	-	i	-	i	
5	-	-	-	-	x	x	
6	-	-	-	-	13E/c4	i	
7	-	-	-	-	13E/c4	i	
8	-	-	-	-	x	x	
9	13E/c10	x	13E/c10	x	13E/c10	x	
10	-	-	-	-	13E/c4	i	
11	13E/c13	m	13E/c13	m	13E/c13	m	
12	-	-	-	-	13E/c13	m	
13	13E/c14	o	13E/c14	o	13E/c14	o	
14	13E/c15	m	13E/c15	m	13E/c15	m	
15	-	-	-	-	x	x	
16	m	m	m	m	13E/c4	i	
17	-	-	-	-	13E/c4	i	
18	-	-	-	-	13E/c4	i	
19	-	-	-	-	13E/c17	m	

B.3 Notification support

This tables is based on Table E.5 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table B.3 - Notification support

					Common Profile	
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std	Confirmed	Non-Confirmed
1	objectCreation	{dmi-not 6}	-	13E/c18	o.21	o.21
2	objectDeletion	{dmi-not 7}	-	13E/c18	o.22	o.22
3	attributeValueChange	{dmi-not 1}	-	13E/c19	o.23	o.23
4	stateChange	{dmi-not 14}	-	13E/c20	o.24	o.24
5	bufferedScanReport	{summ-not 1}	-	m	m	m

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The detailed profile requirement lists for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table A.3. For this reason the table is not repeated here.

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Table B.3 (concluded) — Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Base std.	Common profile
5	5.1	granularityPeriod	{moa-att 23}	-	m	m
	5.2	firstScanInitiationTime	{summ-att 8}	-	o	o
	5.3	suspectIntervals	{summ-att 27}	-	o	o
	5.4	bufferedObservationList	{summ-att 6}	-	m	m
	5.4.1	objectInstance	-	-	o	m
	5.4.1.1	distinguishedName	-	-	c:o.25	o.26
	5.4.1.2	nonSpecificForm	-	-	c:o.25	o.26
	5.4.1.3	localDistinguishedName	-	-	c:o.25	o.26
	5.4.2	reportTimeAttributeList	-	-	o	m
	5.4.2.1	attributeId	-	-	c:m	m
	5.4.2.2	attributeValue	-	-	c:o	m
	5.4.2.3	timeStamp	-	-	c:o	o
	5.4.2.4	suspectFlag	-	Default FALSE	c:o	o
	5.4.3	attributesBuffer	-	-	o	m
	5.4.3.1	attributeId	-	-	c:m	m
	5.4.3.2	attributeValue	-	-	c:o	m
	5.4.3.3	timeStamp	-	-	c:o	o
	5.4.3.4	suspectFlag	-	Default FALSE	c:o	o
	5.4.4	numericAttributesBuffer	-	-	o	o
	5.4.4.1	missingData	-	-	c:o.27	c:o.28
	5.4.4.2	valueOnly	-	-	c:o.27	c:o.28
	5.4.4.3	qualifiedValue	-	-	c:o.27	c:o.28
	5.4.4.3.1	value	-	-	c:m	c:m
	5.4.4.3.2	timeStamp	-	-	c:o	c:o
	5.4.4.3.3	suspectFlag	-	Default FALSE	c:o	c:o
	5.5	incompleteScan	{summ-att 30}	-	o	o
	5.6	additionalText	{dmi-att 7}	-	o	o
	5.7	additionalInformation	{dmi-att 6}	-	o	o

B.4 Action support

This table is based on Table E.6 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table B.4 — Action support

Index	Action type template label	alue of object identifier for action type	Subindex	Information/Reply	Constraints and values	Base std.	Common profile
1	reportBuffer	{summ-act 4}	1.1	Information	No information syntax	m	m
			1.2	Reply	-	m	m

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Table B.4 — 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	Base Std.	Common Profile
1.2.1	granularityPeriod	{moa-att 23}	-	m	m
1.2.2	firstScanInitiationTime	{summ-att 8}	-	o	o
1.2.3	suspectIntervals	{summ-att 27}	-	o	o
1.2.4	bufferedObservationList	{summ-att 6}	-	m	m
1.2.4.1	objectInstance	-	-	o	m
1.2.4.1.1	distinguishedName	-	-	c:o.29	o.30
1.2.4.1.2	nonSpecificForm	-	-	c:o.29	o.30
1.2.4.1.3	localDistinguishedName	-	-	c:o.29	o.30
1.2.4.2	reportTimeAttributeList	-	-	o	m
1.2.4.2.1	attributeId	-	-	c:m	m
1.2.4.2.2	attributeValue	-	-	c:o	m
1.2.4.2.3	timeStamp	-	-	c:o	o
1.2.4.2.4	suspectFlag	-	Default FALSE	c:o	o
1.2.4.3	attributesBuffer	-	-	o	m
1.2.4.3.1	attributeId	-	-	c:m	m
1.2.4.3.2	attributeValue	-	-	c:o	m
1.2.4.3.3	timeStamp	-	-	c:o	o
1.2.4.3.4	suspectFlag	-	Default FALSE	c:o	o
1.2.4.4	numericAttributesBuffer	-	-	o	o
1.2.4.4.1	missingData	-	-	c:o.31	c:o.32
1.2.4.4.2	valueOnly	-	-	c:o.31	c:o.32
1.2.4.4.3	qualifiedValue	-	-	c:o.31	c:o.32
1.2.4.4.3.1	value	-	-	c:m	c:m
1.2.4.4.3.2	timeStamp	-	-	c:o	c:o
1.2.4.4.3.3	suspectFlag	-	Default FALSE	c:o	c:o
1.2.5	incompleteScan	{summ-att 30}	-	o	o
1.2.6	additionalText	{dmi-att 7}	-	o	o
1.2.7	additionalInformation	{dmi-att 6}	-	o	o

B.5 Parameter support

This table is based on Table E.7 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table B.5 — Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and Values	Base Std	Common Profile
1	scanActionError	{summ-prm 1}	-	m	m

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Annex C

(normative)

Profile Requirements List (profile RL) for "Simple scanner" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

C.1 Packages support

This table is based on Table F.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table C.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16}	-	13F/c1	m
3	allomorphicPackage	{dmi-pkg 17}	-	13F/c2	i
4	scannerPackage	-	-	m	m
5	availabilityStatusPackage	{dmi-pkg 22}	-	13F/c3	m
6	duration	{dmi-pkg 26}	-	o	m
7	dailyScheduling	{dmi-pkg 25}	-	o	o
8	weeklyScheduling	{dmi-pkg 29}	-	o	m
9	externalScheduler	{dmi-pkg 27}	-	o	o
10	periodSynchronizationPackage	{moa-pkg 10}	-	o	m
11	createDeleteNotificationPackage	{m3100-pkg 10}	-	o	m
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	-	o	m
13	stateChangeNotificationPackage	{m3100-pkg 28}	-	o	m
14	homogeneousScannerPackage	-	-	m	m
15	timeStampReportPackage	{summ-pkg 13}	-	o	m
16	scopedSelectionPackage	{summ-pkg 10}	-	o.33	m
17	timingSelectionPackage	{summ-pkg 13}	-	o	m
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	-	o.33	m
19	simpleScannerPackage	-	-	m	m
20	onceReportAttributeIdListPackage	{summ-pkg 6}	-	o	m

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C.2 Attributes

This table is based on Table F.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table C.2 – Attribute support

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

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Table C.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std	Common Profile	Base Std	Common Profile	Base Std	Common Profile	Additional information
1	-	-	-	-	x	x	
2	-	-	-	-	13F/c4	i	
3	13F/c7	i	13F/c7	i	13F/c7	i	
4	-	i	-	i	-	i	
5	-	-	-	-	x	x	
6	-	-	-	-	13F/c4	i	
7	-	-	-	-	13F/c4	i	
8	-	-	-	-	x	x	
9	13F/c10	x	13F/c10	x	13F/c10	x	
10	-	-	-	-	13F/c4	i	
11	13F/c13	m	13F/c13	m	13F/c13	m	
12	-	-	-	-	13F/c13	m	
13	13F/c14	o	13F/c14	o	13F/c14	o	
14	13F/c15	m	13F/c15	m	13F/c15	m	
15	-	-	-	-	x	x	
16	-	-	-	-	13F/c17	m	
17	-	-	-	-	13F/c4	i	
18	-	-	-	-	13F/c4	i	
19	-	-	-	-	13F/c18	m	
20	-	-	-	-	13F/c4	i	
21	-	-	-	-	13F/c4	i	
22	-	-	-	-	13F/c4	i	
23	13F/c20	m	13F/c20	m	13F/c4	i	
24	-	-	-	-	13F/c4	i	
25	-	-	-	-	13F/c4	i	
26	13F/c21	m	13F/c21	m	13F/c4	i	

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C.3 Notification support

This tables is based on Table F.5 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table C.3 - Notification support

					Common Profile	
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std	Confirmed	Non-Confirmed
1	objectCreation	{dmi-not 6}	-	13F/c22	o.34	o.34
2	objectDeletion	{dmi-not 7}	-	13F/c22	o.35	o.35
3	attributeValueChange	{dmi-not 1}	-	13F/c23	o.36	o.36
4	stateChange	{dmi-not 14}	-	13F/c24	o.37	o.37
5	scanReport	{summ-not 2}	-	m	m	m

The detailed profile requirement lists for each of the above notifications for this managed object class are as specified in Table A.3. For this reason the table is not repeated here.

C.4 Action support

This table is based on Table F.6 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table C.4 — Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Base std.	Common profile
1	activateStatisticalReport	{summ-act 3}	1.1	Information	No information syntax	m	m
			1.2	Reply	-	m	m

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Table C.4 — 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	Base Std.	Common Profile
1.2.1	scanInitiationTime	{summ-att 22}	-	o	o
1.2.2	observationReportList	{summ-att 14}	-	m	m
1.2.2.1	objectInstance	-	-	o	m
1.2.2.1.1	distinguishedName	-	-	c:o.38	o.39
1.2.2.1.2	nonSpecificForm	-	-	c:o.38	o.39
1.2.2.1.3	localDistinguishedName	-	-	c:o.38	o.39
1.2.2.2	attributeMeasureList	-	-	o	m
1.2.2.2.1	attributeId	-	-	c:m	m
1.2.2.2.2	attributeValue	-	-	c:o	m
1.2.2.2.3	timeStamp	-	-	c:o	o
1.2.2.2.4	suspectFlag	-	Default FALSE	c:o	o
1.2.3	algorithmOutputs	{summ-att 1}	-	m	m
1.2.3.1	attributeId	-	-	m	m
1.2.3.2	algorithmOutput	-	-	m	m
1.2.3.2.1	integer	-	-	o.40	o.41
1.2.3.2.2	real	-	-	o.40	o.41
1.2.4	algorithmParameters	{summ-att 2}	-	o	o
1.2.4.1	integer	-	-	c:o.42	c:o.43
1.2.4.2	real	-	-	c:o.42	c:o.43
1.2.5	incompleteScan	{summ-att 30}	-	o	o
1.2.6	additionalText	{dmi-att 7}	-	o	o
1.2.7	additionalInformation	{dmi-att 6}	-	o	o

C.5 Parameter support

This table is based on Table F.7 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table C.5 — Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and Values	Base Std	Common Profile
1	scanActionError	{summ-prm 1}	-	m	m

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Annex D

(normative)

Profile Requirements List (profile RL) for "Mean scanner" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

D.1 Packages support

This table is based on Table G.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table D.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16}	-	13G/c1	m
3	allomorphicPackage	{dmi-pkg 17}	-	13G/c2	i
4	scannerPackage	-	-	m	m
5	availabilityStatusPackage	{dmi-pkg 22}	-	13G/c3	m
6	duration	{dmi-pkg 26}	-	o	m
7	dailyScheduling	{dmi-pkg 25}	-	o	o
8	weeklyScheduling	{dmi-pkg 29}	-	o	m
9	externalScheduler	{dmi-pkg 27}	-	o	o
10	periodSynchronizationPackage	{moa-pkg 10}	-	o	m
11	createDeleteNotificationPackage	{m3100-pkg 10}	-	o	m
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	-	o	m
13	stateChangeNotificationPackage	{m3100-pkg 28}	-	o	m
14	homogeneousScannerPackage	-	-	m	m
15	timeStampReportPackage	{summ-pkg 13}	-	o	m
16	scopedSelectionPackage	{summ-pkg 10}	-	o.44	m
17	timingSelectionPackage	{summ-pkg 13}	-	o	m
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	-	o.44	m
19	ensemblePackage	-	-	m	m
20	meanScannerPackage	-	-	m	m

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D.2 Attributes

This table is based on Table G.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table D.2 – Attribute support

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

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Table D.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std	Common Profile	Base Std	Common Profile	Base Std	Common Profile	Additional information
1	-	-	-	-	x	x	
2	-	-	-	-	13G/c4	i	
3	13G/c7	i	13G/c7	i	13G/c7	i	
4	-	i	-	i	-	i	
5	-	-	-	-	x	x	
6	-	-	-	-	13G/c4	i	
7	-	-	-	-	13G/c4	i	
8	-	-	-	-	x	x	
9	13G/c10	x	13G/c10	x	13G/c10	x	
10	-	-	-	-	13G/c4	i	
11	13G/c13	m	13G/c13	m	13G/c13	m	
12	-	-	-	-	13G/c13	m	
13	13G/c14	o	13G/c14	o	13G/c14	o	
14	13G/c15	m	13G/c15	m	13G/c15	m	
15	-	-	-	-	x	x	
16	-	-	-	-	13G/c17	m	
17	-	-	-	-	13G/c4	i	
18	-	-	-	-	13G/c4	i	
19	-	-	-	-	13G/c18	m	
20	-	-	-	-	13G/c4	i	
21	-	-	-	-	13G/c4	i	
22	-	-	-	-	13G/c4	i	
23	13G/c20	m	13G/c20	m	13G/c4	i	
24	m	m	m	m	13G/c4	i	
25	-	-	-	-	13G/c4	i	

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D.3 Notification support

This tables is based on Table G.5 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table D.3 - Notification support

					Common Profile	
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std	Confirmed	Non-Confirmed
1	objectCreation	{dmi-not 6}	-	13G/c21	o.45	o.45
2	objectDeletion	{dmi-not 7}	-	13G/c21	o.46	o.46
3	attributeValueChange	{dmi-not 1}	-	13G/c22	o.47	o.47
4	stateChange	{dmi-not 14}	-	13G/c23	o.48	o.48
5	statisticalReport	{summ-not 3}	-	m	m	m

continued below

The detailed profile requirement lists for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table A.3. For this reason the table is not repeated here.

Table D.3 (concluded) — Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Base std.	Common profile
5	5.1	scanInitiationTime	{summ-att 22}	-	o	o
	5.2	observationReportList	{summ-att 14}	-	m	m
	5.2.1	objectInstance	-	-	o	m
	5.2.1.1	distinguishedName	-	-	c:o.49	o.50
	5.2.1.2	nonSpecificForm	-	-	c:o.49	o.50
	5.2.1.3	localDistinguishedName	-	-	c:o.49	o.50
	5.2.2	attributeValues	-	-	o	m
	5.2.2.1	attributeId	-	-	c:m	m
	5.2.2.2	attributeValue	-	-	c:o	m
	5.2.2.3	timeStamp	-	-	c:o	o
	5.2.2.4	suspectFlag	-	Default FALSE	c:o	o
	5.3	algorithmOutputs	{summ-att 1}	-	m	m
	5.3.1	attributeId	-	-	m	m
	5.3.2	algorithmOutput	-	-	m	m
	5.3.2.1	integer	-	-	o.51	o.52
	5.3.2.2	real	-	-	o.51	o.52
	5.4	algorithmParameters	{summ-att 2}	-	o	o
	5.4.1	integer	-	-	c:o.53	c:o.54
	5.4.2	real	-	-	c:o.53	c:o.54
	5.5	incompleteScan	{summ-att 30}	-	o	o
	5.6	additionalText	{dmi-att 7}	-	o	o
	5.7	additionalInformation	{dmi-att 6}	-	o	o

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D.4 Action support

This table is based on Table G.6 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table D.4 — Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Base std.	Common profile
1	activateStatisticalReport	{summ-act 3}	1.1	Information	No information syntax	m	m
			1.2	Reply	-	m	m

The detailed profile requirement lists for the above action for this managed object class are as specified in Table C.4. For this reason the table is not repeated here.

D.5 Parameter support

This table is based on Table G.7 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table D.5 — Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and Values	Base Std	Common Profile
1	scanActionError	{summ-prm 1}	-	m	m

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Annex E

(normative)

Profile Requirements List (profile RL) for "Mean variance scanner" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

E.1 Packages support

This table is based on Table H.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table E.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16}	-	13H/c1	m
3	allomorphicPackage	{dmi-pkg 17}	-	13H/c2	i
4	scannerPackage	-	-	m	m
5	availabilityStatusPackage	{dmi-pkg 22}	-	13H/c3	m
6	duration	{dmi-pkg 26}	-	o	m
7	dailyScheduling	{dmi-pkg 25}	-	o	o
8	weeklyScheduling	{dmi-pkg 29}	-	o	m
9	externalScheduler	{dmi-pkg 27}	-	o	o
10	periodSynchronizationPackage	{moa-pkg 10}	-	o	m
11	createDeleteNotificationPackage	{m3100-pkg 10}	-	o	m
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	-	o	m
13	stateChangeNotificationPackage	{m3100-pkg 28}	-	o	m
14	homogeneousScannerPackage	-	-	m	m
15	timeStampReportPackage	{summ-pkg 13}	-	o	m
16	scopedSelectionPackage	{summ-pkg 10}	-	o.55	m
17	timingSelectionPackage	{summ-pkg 13}	-	o	m
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	-	o.55	m
19	ensemblePackage	-	-	m	m
20	meanScannerPackage	-	-	m	m
21	meanVarianceScannerPackage	-	-	m	m

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E.2 Attributes

This table is based on Table H.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table E.2 – Attribute support

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

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Table E.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std	Common Profile	Base Std	Common Profile	Base Std	Common Profile	Additional information
1	-	-	-	-	x	x	
2	-	-	-	-	13H/c4	i	
3	13H/c7	i	13H/c7	i	13H/c7	i	
4	-	i	-	i	-	i	
5	-	-	-	-	x	x	
6	-	-	-	-	13H/c4	i	
7	-	-	-	-	13H/c4	i	
8	-	-	-	-	x	x	
9	13H/c10	x	13H/c10	x	13H/c10	x	
10	-	-	-	-	13H/c4	i	
11	13H/c13	m	13H/c13	m	13H/c13	m	
12	-	-	-	-	13H/c13	m	
13	13H/c14	o	13H/c14	o	13H/c14	o	
14	13H/c15	m	13H/c15	m	13H/c15	m	
15	-	-	-	-	x	x	
16	-	-	-	-	13H/c17	m	
17	-	-	-	-	13H/c4	i	
18	-	-	-	-	13H/c4	i	
19	-	-	-	-	13H/c18	m	
20	-	-	-	-	13H/c4	i	
21	-	-	-	-	13H/c4	i	
22	-	-	-	-	13H/c4	i	
23	13H/c20	m	13H/c20	m	13H/c4	i	
24	m	m	m	m	13H/c4	i	
25	-	-	-	-	13H/c4	i	

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E.3 Notification support

This tables is based on Table H.5 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table E.3 - Notification support

					Common Profile	
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std	Confirmed	Non-Confirmed
1	objectCreation	{dmi-not 6}	-	13H/c21	o.56	o.56
2	objectDeletion	{dmi-not 7}	-	13H/c21	o.57	o.57
3	attributeValueChange	{dmi-not 1}	-	13H/c22	o.58	o.58
4	stateChange	{dmi-not 14}	-	13H/c23	o.59	o.59
5	statisticalReport	{summ-not 3}	-	m	m	m

The detailed profile requirement lists for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table A.3. The detailed profile requirement lists for staticalReport notification for this managed object class are as specified in Table D.3. For this reason the table is not repeated here.

E.4 Action support

This table is based on Table H.6 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table E.4 — Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Base std.	Common profile
1	activateStatisticalReport	{summ-act 3}	1.1	Information	No information syntax	m	m
			1.2	Reply	-	m	m

The detailed profile requirement lists for the above action for this managed object class are as specified in Table C.4. For this reason the table is not repeated here.

E.5 Parameter support

This table is based on Table H.7 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table E.5 — Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and Values	Base Std	Common Profile
1	scanActionError	{summ-prm 1}	-	m	m

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Annex F

(normative)

Profile Requirements List (profile RL) for "Min max scanner" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

F.1 Packages support

This table is based on Table I.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table F.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16}	-	13I/c1	m
3	allomorphicPackage	{dmi-pkg 17}	-	13I/c2	i
4	scannerPackage	-	-	m	m
5	availabilityStatusPackage	{dmi-pkg 22}	-	13I/c3	m
6	duration	{dmi-pkg 26}	-	o	m
7	dailyScheduling	{dmi-pkg 25}	-	o	o
8	weeklyScheduling	{dmi-pkg 29}	-	o	m
9	externalScheduler	{dmi-pkg 27}	-	o	o
10	periodSynchronizationPackage	{moa-pkg 10}	-	o	m
11	createDeleteNotificationPackage	{m3100-pkg 10}	-	o	m
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	-	o	m
13	stateChangeNotificationPackage	{m3100-pkg 28}	-	o	m
14	homogeneousScannerPackage	-	-	m	m
15	timeStampReportPackage	{summ-pkg 13}	-	o	m
16	scopedSelectionPackage	{summ-pkg 10}	-	o.60	m
17	timingSelectionPackage	{summ-pkg 13}	-	o	m
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	-	o.60	m
19	ensemblePackage	-	-	m	m
20	minMaxScannerPackage	-	-	m	m
21	meanCalculationPackage	{summ-pkg 1}	-	o	m

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F.2 Attributes

This table is based on Table I.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table F.2 – Attribute support

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

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Table F.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std	Common Profile	Base Std	Common Profile	Base Std	Common Profile	Additional information
1	-	-	-	-	x	x	
2	-	-	-	-	13I/c4	i	
3	13I/c7	i	13I/c7	i	13I/c7	i	
4	-	i	-	i	-	i	
5	-	-	-	-	x	x	
6	-	-	-	-	13I/c4	i	
7	-	-	-	-	13I/c4	i	
8	-	-	-	-	x	x	
9	13I/c10	x	13I/c10	x	13I/c10	x	
10	-	-	-	-	13I/c4	i	
11	13I/c13	m	13I/c13	m	13I/c13	m	
12	-	-	-	-	13I/c13	m	
13	13I/c14	o	13I/c14	o	13I/c14	o	
14	13I/c15	m	13I/c15	m	13I/c15	m	
15	-	-	-	-	x	x	
16	-	-	-	-	13I/c17	m	
17	-	-	-	-	13I/c4	i	
18	-	-	-	-	13I/c4	i	
19	-	-	-	-	13I/c18	m	
20	-	-	-	-	13I/c4	i	
21	-	-	-	-	13I/c4	i	
22	-	-	-	-	13I/c4	i	
23	13I/c20	m	13I/c20	m	13I/c4	i	
24	m	m	m	m	13I/c4	i	
25	-	-	-	-	13I/c4	i	

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F.3 Notification support

This tables is based on Table I.5 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table F.3 - Notification support

					Common Profile	
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std	Confirmed	Non-Confirmed
1	objectCreation	{dmi-not 6}	-	13I/c21	o.61	o.61
2	objectDeletion	{dmi-not 7}	-	13I/c21	o.62	o.62
3	attributeValueChange	{dmi-not 1}	-	13I/c22	o.63	o.63
4	stateChange	{dmi-not 14}	-	13I/c23	o.64	o.64
5	statisticalReport	{summ-not 3}	-	m	m	m

The detailed profile requirement lists for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table A.3. The detailed profile requirement lists for staticalReport notification for this managed object class are as specified in Table D.3. For this reason the table is not repeated here.

F.4 Action support

This table is based on Table I.6 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table F.4 — Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Base std.	Common profile
1	activateStatisticalReport	{summ-act 3}	1.1	Information	No information syntax	m	m
			1.2	Reply	-	m	m

The detailed profile requirement lists for the above action for this managed object class are as specified in Table C.4. For this reason the table is not repeated here.

F.5 Parameter support

This table is based on Table I.7 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table F.5 — Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and Values	Base Std	Common Profile
1	scanActionError	{summ-prm 1}	-	m	m

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Annex G

(normative)

Profile Requirements List (profile RL) for "Percentile max scanner" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

G.1 Packages support

This table is based on Table J.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table G.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16}	-	13J/c1	m
3	allomorphicPackage	{dmi-pkg 17}	-	13J/c2	i
4	scannerPackage	-	-	m	m
5	availabilityStatusPackage	{dmi-pkg 22}	-	13J/c3	m
6	duration	{dmi-pkg 26}	-	o	m
7	dailyScheduling	{dmi-pkg 25}	-	o	o
8	weeklyScheduling	{dmi-pkg 29}	-	o	m
9	externalScheduler	{dmi-pkg 27}	-	o	o
10	periodSynchronizationPackage	{moa-pkg 10}	-	o	m
11	createDeleteNotificationPackage	{m3100-pkg 10}	-	o	m
12	attributeValueChangeNotificationPackage	{m3100-pkg 4}	-	o	m
13	stateChangeNotificationPackage	{m3100-pkg 28}	-	o	m
14	homogeneousScannerPackage	-	-	m	m
15	timeStampReportPackage	{summ-pkg 13}	-	o	m
16	scopedSelectionPackage	{summ-pkg 10}	-	o.65	m
17	timingSelectionPackage	{summ-pkg 13}	-	o	m
18	managedObjectInstanceSelectionPackage	{summ-pkg 4}	-	o.65	m
19	ensemblePackage	-	-	m	m
20	percentileScannerPackage	-	-	m	m
21	meanCalculationPackage	{summ-pkg 1}	-	o	m

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G.2 Attributes

This table is based on Table J.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table G.2 – Attribute support

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

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Table G.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std	Common Profile	Base Std	Common Profile	Base Std	Common Profile	Additional information
1	-	-	-	-	x	x	
2	-	-	-	-	13J/c4	i	
3	13J/c7	i	13J/c7	i	13J/c7	i	
4	-	i	-	i	-	i	
5	-	-	-	-	x	x	
6	-	-	-	-	13J/c4	i	
7	-	-	-	-	13J/c4	i	
8	-	-	-	-	x	x	
9	13J/c10	x	13J/c10	x	13J/c10	x	
10	-	-	-	-	13J/c4	i	
11	13J/c13	m	13J/c13	m	13J/c13	m	
12	-	-	-	-	13J/c13	m	
13	13J/c14	o	13J/c14	o	13J/c14	o	
14	13J/c15	m	13J/c15	m	13J/c15	m	
15	-	-	-	-	x	x	
16	-	-	-	-	13J/c17	m	
17	-	-	-	-	13J/c4	i	
18	-	-	-	-	13J/c4	i	
19	-	-	-	-	13J/c18	m	
20	-	-	-	-	13J/c4	i	
21	-	-	-	-	13J/c4	i	
22	-	-	-	-	13J/c4	i	
23	13J/c20	m	13J/c20	m	13J/c4	i	
24	m	m	m	m	13J/c4	i	
25	-	-	-	-	13J/c4	i	
26	-	-	-	-	13J/c4	i	

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G.3 Notification support

This tables is based on Table J.5 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table G.3 - Notification support

					Common Profile	
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std	Confirmed	Non-Confirmed
1	objectCreation	{dmi-not 6}	-	13J/c21	o.66	o.66
2	objectDeletion	{dmi-not 7}	-	13J/c21	o.67	o.67
3	attributeValueChange	{dmi-not 1}	-	13J/c22	o.68	o.68
4	stateChange	{dmi-not 14}	-	13J/c23	o.69	o.69
5	statisticalReport	{summ-not 3}	-	m	m	m

The detailed profile requirement lists for objectCreation, objectDeletion, attributeValueChange and stateChange notifications for this managed object class are as specified in Table A.3. The detailed profile requirement lists for staticalReport notification for this managed object class are as specified in Table D.3. For this reason the table is not repeated here.

G.4 Action support

This table is based on Table J.6 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table G.4 — Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Base std.	Common profile
1	activateStatisticalReport	{summ-act 3}	1.1	Information	No information syntax	m	m
			1.2	Reply	-	m	m

The detailed profile requirement lists for the above action for this managed object class are as specified in Table C.4. For this reason the table is not repeated here.

G.5 Parameter support

This table is based on Table J.7 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table G.5 — Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and Values	Base Std	Common Profile
1	scanActionError	{summ-prm 1}	-	m	m

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Annex H

(normative)

Profile Requirements List (profile RL) for "Dynamic simple scanner" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

H.1 Packages support

This table is based on Table K.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table H.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16}	-	13K/c1	m
3	allomorphicPackage	{dmi-pkg 17}	-	13K/c2	i
4	dynamicScannerPackage	-	-	m	m
5	dynamicSimpleScannerPackage	-	-	m	m

H.2 Attributes

This table is based on Table K.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

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Table H.2 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	Common Profile	Base Std.	Common Profile	Base Std.	Common Profile
1	objectClass	{dmi-att 65}	—	m	m	m	m	x	x
2	nameBinding	{dmi-att 63}	—	o	o	m	m	13K/c4	i
3	packages	{dmi-att 66}	—	13K/c5	o	13K/c6	m	13K/c7	i
4	allomorphs	{dmi-att 50}	—	13K/c8	i	13K/c9	i	-	i
5	scannerId	{moa-att 25}	—	o	o	m	m	x	x
6	administrativeState	{dmi-att 31}	—	m	m	m	m	m	m
7	operationalState	{dmi-att 35}		x	x	m	m	x	x

continued below

Table H.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std	Common Profile	Base Std	Common Profile	Base Std	Common Profile	Additional information
1	-	-	-	-	x	x	
2	-	-	-	-	13K/c4	i	
3	13K/c7	i	13K/c7	i	13K/c7	i	
4	-	i	-	i	-	i	
5	-	-	-	-	x	x	
6	-	-	-	-	13K/c4	i	
7	-	-	-	-	x	x	

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H.3 Action support

This table is based on Table K.6 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table H.3 — Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/Reply	Constraints and values	Base std.	Common profile
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information	-	o.109	m
			1.2	Reply	-	o.109	m

continued below

Table H.3 — Action support (concluded 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	Base Std.	Common Profile
1.1.1	scanAttributeIdList	{summ-att 21}	-	m	m
1.1.2	numericAttributeIdArray	{summ-att 10}	-	m	m
1.1.3	scopedSelection	-	-	m	m
1.1.3.1	baseManagedObject	-	-	m	m
1.1.3.1.1	distinguishedName	-	-	m	m
1.1.3.1.2	nonSpecificForm	-	-	m	m
1.1.3.1.3	localDistinguishedName	-	-	m	m
1.1.3.2	scope	-	-	m	m
1.1.3.3	scanningFilter	-	-	m	m
1.1.4	objectList	-	-	m	m
1.1.5	suppressObjectInstance	{summ-att 26}	-	m	m
1.1.6	onceReportAttributeIdList	{summ-att 16}	-	m	m
1.1.7	timeStampReportMode	{summ-att 29}	-	m	m

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Table H.3 — 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	Base Std.	Common Profile
1.2.1	scanInitiationTime	{summ-att 22}	-	o	o
1.2.2	onceReportAttributeList	{summ-att 16}	-	o	o
1.2.3	observationScanList	{summ-att 15}	-	m	m
1.2.3.1	observedObjectInstance	-	-	o	m
1.2.3.1.1	distinguishedName	-	-	c:o.70	o.71
1.2.3.1.2	nonSpecificForm	-	-	c:o.70	o.71
1.2.3.1.3	localDistinguishedName	-	-	c:o.70	o.71
1.2.3.2	attributeMeasureList	-	-	o	m
1.2.3.2.1	attributeId	-	-	c:m	m
1.2.3.2.2	attributeValue	-	-	c:o	m
1.2.3.2.3	timeStamp	-	-	c:o	o
1.2.3.2.4	suspectFlag	-	Default FALSE	c:o	o
1.2.3.3	numericValueArray	-	-	c:o	o
1.2.3.3.1	missingData	-	-	c:o.72	c:o.73
1.2.3.3.2	valueOnly	-	-	c:o.72	c:o.73
1.2.3.3.3	qualifiedValue	-	-	c:o.72	c:o.73
1.2.3.3.3.1	value	-	-	c:m	c:m
1.2.3.3.3.2	timeStamp	-	-	c:o	c:o
1.2.3.3.3.3	suspectFlag	-	Default FALSE	c:o	c:o
1.2.4	incompleteScan	{summ-att 30}	-	o	o
1.2.5	additionalText	{dmi-att 7}	-	o	o
1.2.6	additionalInformation	{dmi-att 6}	-	o	o

H.4 Parameter support

This table is based on Table K.7 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table H.4 — Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and Values	Base Std	Common Profile
1	scanActionError	{summ-prm 1}	-	m	m

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Annex I

(normative)

Profile Requirements List (profile RL) for "Buffered scan report record" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

I.1 Packages support

This table is based on Table L.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table I.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16 }	-	13L/c1	m
3	allomorphicPackage	{dmi-pkg 17 }	-	13L/c2	i
4	logRecordPackage	-	-	m	m
5	eventLogRecordPackage	-	-	m	m
6	eventTimePackage	{dmi-pkg 11}	-	o	m
7	notificationIdentifierPackage	{dmi-pkg 24}	-	o	m
8	correlatedNotificationsPackage	{dmi-pkg 23}	-	o	m
9	additionalTextPackage	{dmi-pkg 19}	-	o	m
10	additionalInformationPackage	{dmi-pkg 18}	-	o	m
11	bufferedScanReportPackage	-	-	m	m
12	firstScanInitiationTimePackage	{summ-pkg 3}	-	o	m
13	suspectIntervalsPackage	{summ-pkg 11}	-	o	m
14	incompleteScanPackage	{summ-pkg 14}	-	o	m

I.2 Attributes

This table is based on Table L.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

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Table I.2 – Attribute support

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

continued below

Table I.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Status	Support	Status	Support	Status	Support	Additional information
1	x	x	x	x	x	x	
2	x	x	x	x	x	x	
3	x	x	x	x	x	x	
4	x	x	x	x	x	x	
5	x	x	x	x	x	x	
6	x	x	x	x	x	x	
7	x	x	x	x	x	x	
8	x	x	x	x	x	x	
9	x	x	x	x	x	x	
10	x	x	x	x	x	x	
11	x	x	x	x	x	x	
12	x	x	x	x	x	x	
13	x	x	x	x	x	x	
14	x	x	x	x	x	x	
15	x	x	x	x	x	x	
16	x	x	x	x	x	x	
17	x	x	x	x	x	x	
18	x	x	x	x	x	x	
19	x	x	x	x	x	x	

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Annex J

(normative)

Profile Requirements List (profile RL) for "Scan report record" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

J.1 Packages support

This table is based on Table L.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table J.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16 }	-	13M/c1	m
3	allomorphicPackage	{dmi-pkg 17 }	-	13M/c2	i
4	logRecordPackage	-	-	m	m
5	eventLogRecordPackage	-	-	m	m
6	eventTimePackage	{dmi-pkg 11}	-	o	m
7	notificationIdentifierPackage	{dmi-pkg 24}	-	o	m
8	correlatedNotificationsPackage	{dmi-pkg 23}	-	o	m
9	additionalTextPackage	{dmi-pkg 19}	-	o	m
10	additionalInformationPackage	{dmi-pkg 18}	-	o	m
11	scanReportPackage	-	-	m	m
12	scanInitiationTimePackage	{summ-pkg 9}	-	o	m
13	onceReportAttributeListPackage	{summ-pkg 6}	-	o	m
15	incompleteScanPackage	{summ-pkg 14}	-	o	m

J.2 Attributes

This table is based on Table L.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

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Table J.2 – Attribute support

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

continued below

Table J.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Status	Support	Status	Support	Status	Support	Additional information
1	x	x	x	x	x	x	
2	x	x	x	x	x	x	
3	x	x	x	x	x	x	
4	x	x	x	x	x	x	
5	x	x	x	x	x	x	
6	x	x	x	x	x	x	
7	x	x	x	x	x	x	
8	x	x	x	x	x	x	
9	x	x	x	x	x	x	
10	x	x	x	x	x	x	
11	x	x	x	x	x	x	
12	x	x	x	x	x	x	
13	x	x	x	x	x	x	
14	x	x	x	x	x	x	
15	x	x	x	x	x	x	
16	x	x	x	x	x	x	
17	x	x	x	x	x	x	
18	x	x	x	x	x	x	

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Annex K

(normative)

Profile Requirements List (profile RL) for "Statistical report record" managed object class

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

K.1 Packages support

This table is based on Table N.3 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table K.1 – Package support

Index	Package template label	Value of object identifier for package	Constraints and values	Base Std.	Common Profile
1	topPackage	-	-	m	m
2	packagesPackage	{dmi-pkg 16 }	-	13N/c1	m
3	allomorphicPackage	{dmi-pkg 17 }	-	13N/c2	i
4	logRecordPackage	-	-	m	m
5	eventLogRecordPackage	-	-	m	m
6	eventTimePackage	{dmi-pkg 11}	-	o	m
7	notificationIdentifierPackage	{dmi-pkg 24}	-	o	m
8	correlatedNotificationsPackage	{dmi-pkg 23}	-	o	m
9	additionalTextPackage	{dmi-pkg 19}	-	o	m
10	additionalInformationPackage	{dmi-pkg 18}	-	o	m
11	statisticalReportPackage	-	-	m	m
12	scanInitiationTimePackage	{summ-pkg 9}	-	o	m
13	observationReportListPackage	{summ-pkg 5}	-	o	m
14	algorithmParametersPackage	{summ-pkg 2}	-	o	m
15	incompleteScanPackage	{summ-pkg 14}	-	o	m

K.2 Attributes

This table is based on Table N.4 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

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Table K.2 – Attribute support

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

continued below

Table K.2 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Status	Support	Status	Support	Status	Support	Additional information
1	x	x	x	x	x	x	
2	x	x	x	x	x	x	
3	x	x	x	x	x	x	
4	x	x	x	x	x	x	
5	x	x	x	x	x	x	
6	x	x	x	x	x	x	
7	x	x	x	x	x	x	
8	x	x	x	x	x	x	
9	x	x	x	x	x	x	
10	x	x	x	x	x	x	
11	x	x	x	x	x	x	
12	x	x	x	x	x	x	
13	x	x	x	x	x	x	
14	x	x	x	x	x	x	
15	x	x	x	x	x	x	
16	x	x	x	x	x	x	
17	x	x	x	x	x	x	
18	x	x	x	x	x	x	
19	x	x	x	x	x	x	

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Annex L

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Profile Requirements List (profile RL) for name binding

The following clarifies, where necessary, the column headings used in the profile RLs in this annex.

Index:	The row index of this item in the referenced ICS proforma.
Constraints and values:	Bases standard constraints or any additional constraints defined in the common profile for this item.
Base Std.:	The status value of the item as defined in the base standard.
Common Profile:	Common profile requirements defined for this item (relevant to any profile referencing this table of this part of ISO/IEC ISP 12059).

L.1 Name binding support

This table is based on Table O.1 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table L.1 — Name binding support

Index	Name binding template label	Value of object identifier for name binding	Constraints and values	Base std.	Common profile
1	conflictingPackagesScanner-system	{summ-nb 9}	-	o	o
2	dynamicSimpleScanner-system	{summ-nb 2}	-	o	o

continued below

Table L.1 (concluded)— Name binding support

Index	Subindex	Operation	Constraints and values	Base std.	Common profile
1	1.1	Create support	-	c:m	c:m
	1.1.1	Create with reference object	-	c:m	c:m
	1.1.2	Create with automatic instance naming	-	c:m	c:m
	1.2	Derete support	-	c:m	c:m
	1.2.1	Delete only if no contained objects	-	c:m	c:m
	1.2.2	Delete contained objects	-	c:x	c:x
2	2.1	Create support	-	c:m	c:m
	2.1.1	Create with reference object	-	c:m	c:m
	2.1.2	Create with automatic instance naming	-	c:m	c:m
	2.2	Derete support	-	c:m	c:m
	2.2.1	Delete only if no contained objects	-	c:m	c:m
	2.2.2	Delete contained objects	-	c:x	c:x

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Table L.2 — Parameter support

					Common Profile	
Index	Parameter template label	Value of object identifier of parameter	Constraints and values	Base Std	Confirmed	Non-Confirmed
1	conflictingPackagesRequestedError	{summ-prm 2}	-	13D/c1	o	o

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