INTERNATIONAL STANDARDIZED PROFILE

ISO/IEC ISP 12060-8

First edition
1996-08-01

Information technology — International Standardized Profiles — OSI Management — Management functions —

Part 8:
AOM253x — Summarization objects (including profiles AOM2531-AOM2539)

Technologies de l'information — Profils normalisés internationaux — Gestion OSI — Fonctions de gestion —

Partie 8: AOM253x — Objets de réalisation de résumé (incluant les profils AOM2531 à AOM2539)

Reference number
ISO/IEC ISP 12060-8:1996(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 12060 consists of the following parts, under the general title *Information technology - International Standardized Profiles - OSI Management - Management functions:*

- *Part 1: AOM211 - General management capabilities*

- *Part 2: AOM212 - Alarm reporting and state management capabilities*

- *Part 3: AOM213 - Alarm reporting capabilities*

- *Part 4: AOM221 - General event report management*

- *Part 5: AOM231 - General log control*

- *Part 6: AOM242 - Security management capabilities*

- *Part 7: AOM252n - Metric objects*

- *Part 8: AOM253n - Summarization objects*

Annexes A to I form an integral part of this part of ISO/IEC ISP 12060.

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Information technology — International Standardized Profiles — OSI Management — Management functions — Part 8 :

AOM253x — Summarization objects (including profiles AOM2531 - AOM2539)

1 Scope

1.1 General

This part of ISO/IEC ISP 12060 specifies the General summarization capabilities profile, AOM2531, which is applicable to end systems operating in the Open Systems Interconnection (OSI) environment. AOM2531 specifies a combination of OSI standards which collectively provide General summarization capabilities. These capabilities include the ability to create and delete instances of Summarization managed object classes, retrieve and modify any attribute of Summarization objects, perform any action associated with instances of Summarization managed object classes, and report (both receive and send in the respective roles) any event associated with instances of the Summarization managed object classes. AOM2531 covers a full set of facilities that can be provided by a management platform such that complete freedom exists to dynamically monitor any appropriate resource. The specific profiles (AOM2532 - AOM2539) cover facilities associated with a single type of monitoring and calculation for any appropriate resource; these support the need to implement only those specific features required by the managed resource.

This part of ISO/IEC ISP 12060 also specifies the Simple scanner object profile, AOM2532, which is applicable to end systems operating in the Open Systems Interconnection (OSI) environment. AOM2532 specifies a combination of OSI standards which collectively provide Simple scanner object capabilities. These capabilities include the ability to create and delete instances of Simple scanner managed object class, retrieve and modify any attribute of Simple scanner objects, perform a action associated with instances of Simple scanner managed object classes, and report (both receive and send in the respective roles) any event associated with instances of the Simple scanner managed object class. AOM2532 can provide aggregated report of a set of sampled attribute values of the same type across a number of resources. The summary report can be generated according to a schedule, on request or both.

This part of ISO/IEC ISP 12060 also specifies the Dynamic simple scanner object profile, AOM2533, which is applicable to end systems operating in the Open Systems Interconnection (OSI) environment. AOM2533 specifies a combination of OSI standards which collectively provide Dynamic simple scanner object capabilities. These capabilities include the ability to create and delete instances of Dynamic simple scanner managed object class, retrieve and modify any attribute of Dynamic simple scanner objects, and perform a action associated with instances of Dynamic simple scanner managed object classes. AOM2533 can provide aggregated report of a set of sampled attribute values of the same type across a number of resources on request only. The request specifies the resources to be monitored.

This part of ISO/IEC ISP 12060 also specifies the Heterogeneous scanner object profile, AOM2534, which is applicable to end systems operating in the Open Systems Interconnection (OSI) environment. AOM2534 specifies a combination of OSI standards which collectively provide Heterogeneous scanner object capabilities. These capabilities include the ability to create and delete instances of Heterogeneous scanner object class, retrieve and modify any attribute of Heterogeneous scanner objects, perform a action associated with instances of Heterogeneous scanner managed object classes, and report (both receive and send in the respective roles) any event associated with instances of the Heterogeneous scanner object class. AOM2534 can provide aggregated report of a set of sampled attribute values of the different types across a number of resources. The summary report can be generated according to a schedule, on request or both.

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This part of ISO/IEC ISP 12060 also specifies the Buffered scanner object profile, AOM2535, which is applicable to end systems operating in the Open Systems Interconnection (OSI) environment. AOM2535 specifies a combination of OSI standards which collectively provide Buffered scanner object capabilities. These capabilities include the ability to create and delete instances of Buffered scanner object class, retrieve and modify any attribute of Buffered scanner objects, perform a action associated with instances of Buffered scanner managed object classes, and report (both receive and send in the respective roles) any event associated with instances of the Buffered scanner object class. AOM2535 can provide aggregated report similar to the Heterogeneous scanner but retains the sets of monitored values over a period of time and reports them together. The summary report can be generated according to a schedule, on request or both.

This part of ISO/IEC ISP 12060 also specifies the Mean scanner object profile, AOM2536, which is applicable to end systems operating in the Open Systems Interconnection (OSI) environment. AOM2536 specifies a combination of OSI standards which collectively provide Mean scanner object capabilities. These capabilities include the ability to create and delete instances of Mean scanner object class, retrieve and modify any attribute of Mean scanner objects, perform a action associated with instances of Mean scanner managed object classes, and report (both receive and send in the respective roles) any event associated with instances of the Mean scanner object class. AOM2536 can provide a report of the mean value of a set of sampled attribute values of the same type across a number of resources. The summary report can be generated according to a schedule, on request or both.

This part of ISO/IEC ISP 12060 also specifies the Mean variance scanner object profile, AOM2537, which is applicable to end systems operating in the Open Systems Interconnection (OSI) environment. AOM2537 specifies a combination of OSI standards which collectively provide Mean variance scanner object capabilities. These capabilities include the ability to create and delete instances of Mean variance scanner object class, retrieve and modify any attribute of Mean variance scanner objects, perform a action associated with instances of Mean variance scanner managed object classes, and report (both receive and send in the respective roles) any event associated with instances of the Mean variance scanner object class. AOM2537 can provide a report of the mean and variance values of a set of sampled attribute values of the same type across a number of resources. The summary report can be generated according to a schedule, on request or both.

This part of ISO/IEC ISP 12060 also specifies the Percentile scanner object profile, AOM2538, which is applicable to end systems operating in the Open Systems Interconnection (OSI) environment. AOM2538 specifies a combination of OSI standards which collectively provide Percentile scanner object capabilities. These capabilities include the ability to create and delete instances of Percentile scanner object class, retrieve and modify any attribute of Percentile scanner objects, perform a action associated with instances of Percentile scanner managed object classes, and report (both receive and send in the respective roles) any event associated with instances of the Percentile scanner object class. AOM2538 can provide a report of the percentile, minimum, median, maximum and mean values of a set of sampled attribute values of the same type across a number of resources. The summary report can be generated according to a schedule, on request or both.

This part of ISO/IEC ISP 12060 also specifies the Min Max scanner object profile, AOM2539, which is applicable to end systems operating in the Open Systems Interconnection (OSI) environment. AOM2539 specifies a combination of OSI standards which collectively provide Min Max scanner object capabilities. These capabilities include the ability to create and delete instances of Min Max scanner object class, retrieve and modify any attribute of Min Max scanner objects, perform a action associated with instances of Min Max scanner managed object classes, and report (both receive and send in the respective roles) any event associated with instances of the Min Max scanner object class. AOM2539 can provide a report of the minimum, maximum and mean values of a set of sampled attribute values of the same type across a number of resources. The summary report can be generated according to a schedule, on request or both.

AOM2531, AOM2532, AOM2533, AOM2534, AOM2535, AOM2536, AOM2537, AOM2538, and AOM2539, also specifies use of a combination of standards that collectively provide the subset of the Common Management Information Service required by the profiles defined in this part of ISO/IEC ISP 12060.

The support of the complete set of operation and notification services for scanner objects does not imply that all these features shall be used in all instances of communications. The selection of the features on an instance of communication depends on the requirements of the MIS-users.

The definition and conventions used in this part of ISO/IEC ISP 12060 are specified in part 0 of ISO/IEC ISP 12059-0, Common definitions for management functions profiles.

1.2 Introduction

AOM2531, AOM2532, AOM2533, AOM2534, AOM2535, AOM2536, AOM2537, AOM2538, and AOM2539 are applicable to end systems operating in an OSI environment in either the Manager role or the Agent role. A system

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acting in the role of Manager is capable of requesting the specified set of operations upon scanner managed objects which are in the system acting the role of the agent.

AOM2531, AOM2532, AOM2533, AOM2534, AOM2535, AOM2536, AOM2537, AOM2538, and AOM2539 provide facilities for monitoring and aggregating management information of resources in a system where those resources are represented by managed objects. They permit the creation of separate summarization managed objects each of which can observe and perform calculations on the values of attributes of managed objects representing resources. Facilities are provided for generation of summary reports at scheduled times.

Figure 1 illustrates only one of those configurations, one in which one system is acting in a manager role and a further system is acting in an agent role.

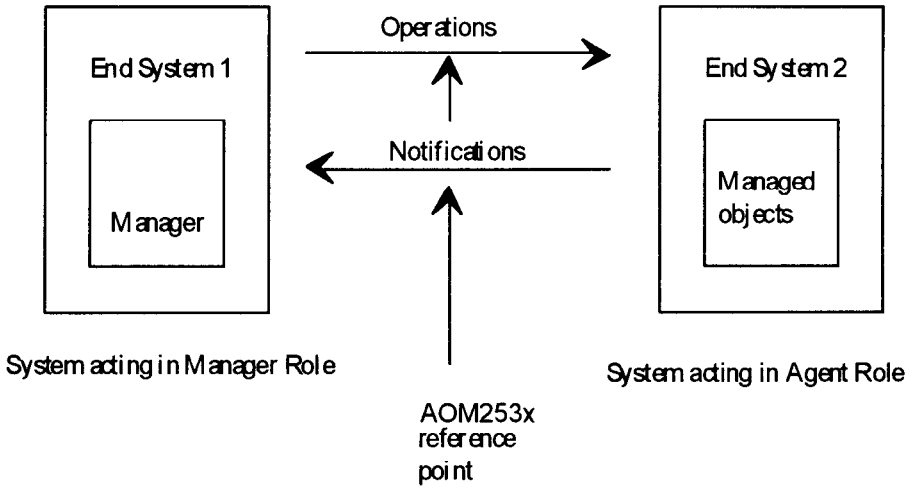

Figure 1 - One scenario of applicability of the AOM253x profiles

The roles of Manager and Agent may be determined in advance, for the duration of an association or the duration of a single management interaction. The application context is defined in the Systems Management Overview (ISO/IEC 10040). Note: Negotiation of functional units is optional.

AOM2531, AOM2532, AOM2533, AOM2534, AOM2535, AOM2536, AOM2537, AOM2538, and AOM2539 require support for the protocol elements needed to provide the PT-GET, PT-SET, PT-CREATE, PT-DELETE, object creation reporting, object deletion reporting, attribute value change reporting and state change reporting services; this requires support of the protocol from the standards shown below.

AOM2531, AOM2532, AOM2533, AOM2534, AOM2535, AOM2536, AOM2537, AOM2538, and AOM2539 reference the following standards:

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Application Layer	ISO/IEC 10164-1	Object management function
	ISO/IEC 10164-2	State management functiion
	ISO/IEC 10164-11	Metric object and attributes
	ISO/IEC 10164-13	Summarization function
	ISO/IEC 10165-2	Definition of management information
	ISO/IEC 9595	CMIS
	ISO/IEC 9596-1	CMIP
	ISO/IEC 9072-1, 2	ROSE
	ISO 8649, 8650	ACSE
	ISO/IEC ISP 11183-2	CMISE/ROSE for AOM12- Enhanced Management Communication
	ISO/IEC ISP 11183-1	Specification of ACSE, Presentation and Session
Presentation Layer	ISO 8822, 8823	Presentation
	ISO/IEC 8824, 8825	ASN.1
	ISO/IEC ISP 11183-1	Specification of ACSE, Presentation and Session
Session Layer	ISO 8326, 8327	Session
	ISO 8326/Add.2	
	ISO 8327/Add.2	
	ISO/IEC ISP 11183-1	Specification of ACSE, Presentation and Session

AOM2531, AOM2532, AOM2533, AOM2534, AOM2535, AOM2536, AOM2537, AOM2538, and AOM2539 also specify the use of the subset of the Enhanced Management Communications profile (AOM12) that is required to support the above services.

An end system implementing this profile can interwork with an end system implementing the same profile in a complementary role. A system implementing AOM12 is compatible with the communication aspects of AOM253n profiles.

1.3 Position within the Taxonomy

This part of ISO/IEC ISP 12060 is identified in ISO/IEC TR 10000-2 as :

AOMnn OSI Management

AOM2 Management functions

AOM25 Performance

AOM253 Summarization Objects

* AOM2531 General Summarization Capability
* AOM2532 Simple Scanner Object
* AOM2533 Dynamic Simple Scanner Object
* AOM2534 Heterogeneous Scanner Object
* AOM2535 Buffered Scanner Object
* AOM2536 Mean Scanner Object
* AOM2537 Mean Variance Scanner Object
* AOM2538 Percentile Scanner Object
* AOM2539 Min Max Scanner Object

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2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC ISP 12060. 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 12060 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.*
- ITU-T Recommendation X.216 (1994) | ISO/IEC 8822: 1994, *Information technology - Open Systems Interconnection - Presentation service definition.*
- ITU-T Recommendation X.226 (1994) | ISO/IEC 8823-1: 1994, *Information technology - Open Systems Interconnection - Connection-oriented presentation protocol: Protocol specification.*

  NOTE – ISO/IEC 8822:1994 and ISO/IEC 8823-1:1994 supersede ISO 8822:1987 and ISO 8823:1988 respectively. However, when this part of ISO/IEC ISP 12060 was under development, the previous editions were valid and this part of ISO/IEC ISP 12060 is therefore based on these editions, which are listed below.

  ISO/IEC 8822: 1987, *Information processing systems - Open Systems Interconnection - Connection oriented presentation service definition.*

  ISO/IEC 8823: 1988, *Information processing systems - Open Systems Interconnection - Connection oriented presentation service definition.*
- 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.*
- 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 object and attributes.*

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

- CCITT Recommendation X.215 (1988), *Session service definition for Open Systems Interconnection for CCITT applications.*

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ISO 8326: 1987, *Information processing systems - Open Systems Interconnection - Basic connection oriented session service definition.*

- CCITT Recommendation X.225 (1988), Session *protocol specification for Open Systems Interconnection for CCITT applications.*

  ISO 8327: 1987, *Information processing systems - Open Systems Interconnection - Basic connection oriented session protocol specification.*

- 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).*

- CCITT Recommendation X.209 (1988), *Specification of basic encoding rules for abstract syntax notation one (ASN.1).*

  ISO/IEC 8825: 1990, *Information technology - Open Systems Interconnection - Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1).*

- CCITT Recommendation X.217 (1988), *Association Control Service Definition for Open Systems Interconnection for CCITT Applications.*

  ISO/IEC 8649: 1988, *Information processing systems - Open Systems Interconnection - Service Definition for the Association Control Service Element..*

- CCITT Recommendation X.227 (1988), *Association Control Protocol Specification for Open Systems Interconnection for CCITT Applications.*

  ISO 8650: 1988, *Information processing systems - Open Systems Interconnection - Protocol Specification for the Association Control Service Element.*

- CCITT Recommendation X.219 (1988), *Remote Operations: model, notation and service definition..*

  ISO/IEC 9072-1 (1989), *Information processing systems - Text communication - Remote Operations - Part 1: Model, notation and service specification.*

- CCITT Recommendation X.229 (1988), *Remote Operations: Protocol specification.*

  ISO/IEC 9072-2 (1989), *Information processing systems - Text communication - Remote Operations - Part 2: Protocol specification.*

- 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 12060 was under development, the previous editions were valid and this part of ISO/IEC ISP 12060 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.*

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1) Currently at the stage of Draft Recommendation.

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

  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.*

- CCITT Recommendation X.711 (1991), *Common Management Information protocol specification for CCITT Applications.*

  ISO/IEC 9596-1: 1991, *Information technology - Open Systems Interconnection - Common management information protocol - Part 1: Specification.*

- CCITT Recommendation X.712 (1992) | ISO/IEC 9596-2: 1993, *Information technology - Open Systems Interconnection - Common management information protocol - Part 2: Protocol Implementation Conformance Statement (PICS) proforma.*

2.3 Additional references

- ISO 8326/Add.2:[2] *Information processing systems - Open Systems Interconnection - Basic connection oriented session service definition - Addendum 2: Incorporation of unlimited user data.*
- ISO 8327/Add.2:[2] *Information processing systems - Open Systems Interconnection - Basic connection oriented session protocol specification - Addendum 2: Incorporation of unlimited user data.*
- ISO/IEC 8327-2: ____[3] , *Information technology - Open Systems Interconnection - Basic connection oriented session protocol specification - Part 2: Protocol Implementation Conformance Statement (PICS) proforma.*
- ISO/IEC 8650-2: 1995, *Information technology - Open Systems Interconnection - Protocol specification for the Association Control Service Element - Part 2: Protocol Implementation Conformance Statement (PICS) proforma.*
- ISO/IEC 8823-2: 1995, *Information technology - Open Systems Interconnection - Basic connection oriented presentation protocol: Protocol Implementation Conformance Statement (PICS) proforma.*
- 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 11183-1: 1992, *Information technology - International Standardized Profiles AOM1n OSI Management - Management Communications - Part 1: Specification of ACSE, presentation, and session protocols for the use by ROSE and CMISE.*
- ISO/IEC ISP 11183-2: 1992, *Information technology - International Standardized Profiles AOM1n OSI Management - Management Communications - Part 2: CMISE/ROSE for AOM12 – Enhanced Management Communications.*
- ISO/IEC ISP 12060-5: 1995, *Information technology - International Standardized Profiles - OSI Management - Management functions - Part 5: AOM231 – General log control.*
- 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.*
- ISO/IEC ISP 12059-1: 1995, *Information technology - International Standardized Profiles - OSI Management - Common information for management functions - Part 1: Object management.*

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[2] To be incorporated in a new edition of the base standard.

[3] To be published.

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- ISO/IEC ISP 12059-2: 1995, *Information technology - International Standardized Profiles - OSI Management - Common information for management functions - Part 2: State management.*
- ISO/IEC ISP 12059-13: 1996, *Information technology - International Standardized Profiles - OSI Management - Common information for management functions - Part 13: Summarization.*

3 Definitions

The terms used in this part of ISO/IEC ISP 12060 are defined in the referenced base standards.

4 Abbreviations

The abbreviations used in this part of ISO/IEC ISP 12060 are specified in ISO/IEC ISP 12059-0.

5 Conventions

The common conventions used in this part of ISO/IEC ISP 12060 are defined in ISO/IEC ISP 12059-0.

The following conditions are specified in the referenced base standard and used in this part of ISO/IEC ISP 12060:

1A/cn see CCITT Rec. X.730 | ISO/IEC 10164-1 Annex A, condition cn

2A/cn see CCITT Rec. X.731 | ISO/IEC 10164-2 Annex A, condition cn

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

6 Conformance requirements

6.1 Conformance requirements for AOM2531

This part of ISO/IEC ISP 12060 states the requirements for interworking between two management systems with general summarization object management capabilities. A claim of conformance to AOM2531 is a claim that all requirements in the relevant base standards are satisfied, and that the requirements in the remainder of this subclause, in 6.10 and 6.11 and in Annex A of this part of ISO/IEC ISP 12060 are satisfied.

The common requirements for this profile are specified in ISP 12059-0, the specific requirements are specified in Annex A of this part of ISO/IEC ISP 12060.

6.2 Conformance requirements for AOM2532

This part of ISO/IEC ISP 12060 states the requirements for interworking between two management systems with general summarization object management capabilities. A claim of conformance to AOM2532 is a claim that all requirements in the relevant base standards are satisfied, and that the requirements in the remainder of this subclause, in 6.10 and 6.11 and in Annex B of this part of ISO/IEC ISP 12060 are satisfied.

The common requirements for this profile are specified in ISP 12059-0, the specific requirements are specified in Annex B of this part of ISO/IEC ISP 12060.

6.3 Conformance requirements for AOM2533

This part of ISO/IEC ISP 12060 states the requirements for interworking between two management systems with general summarization object management capabilities. A claim of conformance to AOM2533 is a claim that all requirements in the relevant base standards are satisfied, and that the requirements in the remainder of this subclause, in 6.10 and 6.11 and in Annex C of this part of ISO/IEC ISP 12060 are satisfied.

The common requirements for this profile are specified in ISP 12059-0, the specific requirements are specified in Annex C of this part of ISO/IEC ISP 12060.

6.4 Conformance requirements for AOM2534

This part of ISO/IEC ISP 12060 states the requirements for interworking between two management systems with general summarization object management capabilities. A claim of conformance to AOM2534 is a claim that all requirements in the relevant base standards are satisfied, and that the requirements in the remainder of this subclause, in 6.10 and 6.11 and in Annex D of this part of ISO/IEC ISP 12060 are satisfied.

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The common requirements for this profile are specified in ISP 12059-0, the specific requirements are specified in Annex D of this part of ISO/IEC ISP 12060.

6.5 Conformance requirements for AOM2535

This part of ISO/IEC ISP 12060 states the requirements for interworking between two management systems with general summarization object management capabilities. A claim of conformance to AOM2535 is a claim that all requirements in the relevant base standards are satisfied, and that the requirements in the remainder of this subclause, in 6.10 and 6.11 and in Annex E of this part of ISO/IEC ISP 12060 are satisfied.

The common requirements for this profile are specified in ISP 12059-0, the specific requirements are specified in Annex E of this part of ISO/IEC ISP 12060.

6.6 Conformance requirements for AOM2536

This part of ISO/IEC ISP 12060 states the requirements for interworking between two management systems with general summarization object management capabilities. A claim of conformance to AOM2536 is a claim that all requirements in the relevant base standards are satisfied, and that the requirements in the remainder of this subclause, in 6.10 and 6.11 and in Annex F of this part of ISO/IEC ISP 12060 are satisfied.

The common requirements for this profile are specified in ISP 12059-0, the specific requirements are specified in Annex F of this part of ISO/IEC ISP 12060.

6.7 Conformance requirements for AOM2537

This part of ISO/IEC ISP 12060 states the requirements for interworking between two management systems with general summarization object management capabilities. A claim of conformance to AOM2537 is a claim that all requirements in the relevant base standards are satisfied, and that the requirements in the remainder of this subclause, in 6.10 and 6.11 and in Annex G of this part of ISO/IEC ISP 12060 are satisfied.

The common requirements for this profile are specified in ISP 12059-0, the specific requirements are specified in Annex G of this part of ISO/IEC ISP 12060.

6.8 Conformance requirements for AOM2538

This part of ISO/IEC ISP 12060 states the requirements for interworking between two management systems with general summarization object management capabilities. A claim of conformance to AOM2538 is a claim that all requirements in the relevant base standards are satisfied, and that the requirements in the remainder of this subclause, in 6.10 and 6.11 and in Annex H of this part of ISO/IEC ISP 12060 are satisfied.

The common requirements for this profile are specified in ISP 12059-0, the specific requirements are specified in Annex H of this part of ISO/IEC ISP 12060.

6.9 Conformance requirements for AOM2539

This part of ISO/IEC ISP 12060 states the requirements for interworking between two management systems with general summarization object management capabilities. A claim of conformance to AOM2539 is a claim that all requirements in the relevant base standards are satisfied, and that the requirements in the remainder of this subclause, in 6.10 and 6.11 and in Annex H of this part of ISO/IEC ISP 12060 are satisfied.

The common requirements for this profile are specified in ISP 12059-0, the specific requirements are specified in Annex I of this part of ISO/IEC ISP 12060.

6.10 Common conformance requirements for AOM2531, AOM2532 ... AOM2539

AOM2531, AOM2532, AOM2533, AOM2534, AOM2535, AOM2536, AOM2537, AOM2538, and AOM2539 require conformance to the following systems management standards:

CCITT Rec. X.738 | ISO/IEC 10164-13, Summarization function

CCITT Rec. X.730 | ISO/IEC 10164-1, Object management function

CCITT Rec. X.731 | ISO/IEC 10164-2, State management function

The detailed requirements for the support of the above base standards are specified in ISP 12059 Parts 0, 1, 2, and 13.

The implementation shall support the requirements specified in ISP 11183-1 for the ACSE, Presentation and Session layer and part of ISP 11183-2 for CMIP and ROSE as specified by AOM2531, AOM2532 ... AOM2539 profile.

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An implementation in an agent role shall accept a value of "actual class" for "object class" parameter as defined in clause 6.4.5 of ISO/IEC 10165-4,

Implementations conforming to AOM253n shall implement all the mandatory features. The supplier of an implementation claiming conformance to AOM253n shall make available a statement of support or non-support of each optional function, feature or parameter identified in this part of ISO/IEC ISP 12060.

An implementation conforming to AOM253n in the agent role shall support a mechanism to ensure that the managed system can send the notifications to a managing system.

To assist in migration and compatibility, it is recommended that management systems be capable of tolerating the arrival of unexpected information such as notifications and attribute values.

6.11 Systems management functional units

The systems management functional units for summarization objects are defined in ITU-T Rec. X.738 | ISO/IEC 10164-13 and the requirements for support are defined in each Annex of this part. The support of these functional units requires the implementation of all the capabilities included in the functional unit. The negotiation of functional units is optional. An implementation is required to support at least one role.

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Annex A

(normative)

General Summarization Capability Profile

Profile Requirements List (profile RL) for AOM2531

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.
AOM2531 Profile:	AOM2531 profile requirements defined for this item.

The notation used in this annex is identified in clause 5 of this part of ISO/IEC ISP 12060. The parameter names are those which are specified in ITU-T Rec. X.738 | ISO/IEC 10164-13.

A.1 Management conformance summary

The support of roles are indicated in Table A.1.

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

Table A.1 – Roles

Index	Roles supported	Base Std.	AOM2531 Profile	Additional information
1	Manager role support	o.1	o.2	
2	Agent role support	o.1	o.2	

The support of systems management functional units are indicated in Table A.2.

This table is based on Table B.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Base Std.	AOM2531 Profile	Base Std.	AOM2531 Profile	
1	Scan stimulation functional unit	13B/c1	c1	13B/c2	c2	
2	Summarization event reporting functional unit	13B/c1	c1	13B/c2	c2	

c1 : if B.1/1a [ISO/IEC 10164-13] then m else i

c2 : if B.1/2a [ISO/IEC 10164-13] then m else i

The support of management information in the manager role for AOM2531 are indicated in Table A.3.

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

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Table A.3 – Manager role minimum conformance requirement

Index	Item	Base Std.	AOM2531 Profile	Additional information
1	Operations on managed objects	13B/c3	m	
2	Buffered scan report notification	13B/c4	m	
3	Scan report notification	13B/c4	m	
4	Statistical report notification	13B/c4	m	
5	Activate dynamic simple scan report action	13B/c5	m	
6	Activate scan report action	13B/c5	m	
7	Activate statistical report action	13B/c5	m	
8	Report buffer action	13B/c5	m	
9	Object creation notification from at least one summarization managed objects	13B/c3	m	
10	Object deletion notification from at least one summarization managed objects	13B/c3	m	
11	Attribute value change notification from at least summarization managed objects	13B/c3	m	
12	State change notification from at least one summarization managed objects	13B/c3	m	

The support of management information in the agent role for AOM2531 are indicated in Table A.4.

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

Table A.4 – Agent role minimum conformance requirement

Index	Item	Base Std.	AOM2531 Profile	Additional information
1	Heterogeneous scanner managed object	13B/c6	m	
2	Buffered scanner managed object	13B/c6	m	
3	Simple scanner managed object	13B/c6	m	
4	Mean scanner managed object	13B/c6	m	
5	Mean variance scanner managed object	13B/c6	m	
6	Min max scanner managed object	13B/c6	m	
7	Percentile scanner managed object	13B/c6	m	
8	Dynamic simple scanner managed object	13B/c6	m	

The support of logging of event records for AOM2531 is indicated in Table A.5.

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

Table A.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	13B/c7	13B/c7	

The following tables identifies part of the information that the supplier of the implementation shall provide in the final management conformance summary . The supplier shall indicate claims of conformance to the following standards.

NOTE – In tables A.6, A.7, A.8 and A.9, the "Base Std." column and the "Profile" 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 "Base Std." or "Profile" column.

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

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Table A.6 – PICS support summary

Index	Identification of the document that includes the PICS proforma	Table numbers of PICS proforma	Description	Constraints and values	Base Std.	AOM2531 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC, 10164-1	Annex E all tables	SM application Context	–	o	m	specified in ISO/IEC ISP 12059-1
2	ISO/IEC 9596-2	all tables	CMIP	–	o	m	specified in ISO/IEC ISP 11183-2
3	ISO/IEC 8650-2	all tables	ACSE	–	o	m	specified in ISO/IEC ISP 11183-1
4	ISO/IEC 8823-2	all tables	Presentation	–	o	m	specified in ISO/IEC ISP 11183-1
5	ISO/IEC 8327-2	all tables	Session	–	o	m	specified in ISO/IEC ISP 11183-1

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

Table A.7 — MOCS support summary

Index	Identification of the document including the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Base Std.	AOM2531 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC 10164-1	Annex C all tables	objectCreation, objectDeletion and attribute valueChange records	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-1
2	CCITT Rec. X.731 | ISO/IEC 10164-2	Annex C all tables	stateChange Record	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-2
3	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex D all tables	heterogeneousScanner	-	13B/c9	m	specified in ISO/IEC ISP 12059-13, Annex A
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex E all tables	bufferedScanner	-	13B/c10	m	specified in ISO/IEC ISP 12059-13, Annex B
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex F all tables	simpleScanner	-	13B/c11	m	specified in ISO/IEC ISP 12059-13, Annex C
6	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex G all tables	meanScanner	-	13B/c12	m	specified in ISO/IEC ISP 12059-13, Annex D
7	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex H all tables	meanVarianceScanner	-	13B/c13	m	specified in ISO/IEC ISP 12059-13, Annex E
8	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex I all tables	minMaxScanner	-	13B/c14	m	specified in ISO/IEC ISP 12059-13, Annex F
9	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex J all tables	percentileScanner	-	13B/c15	m	specified in ISO/IEC ISP 12059-13, Annex G
10	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex K all tables	dynamicSimpleScanner	-	13B/c16	m	specified in ISO/IEC ISP 12059-13, Annex H
11	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex L all tables	bufferedScanReportRecord	-	13B/c17	13B/c17	specified in ISO/IEC ISP 12059-13, Annex I
12	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex M all tables	scanReportRecord	-	13B/c18	13B/c18	specified in ISO/IEC ISP 12059-13, Annex J
13	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex N all tables	statisticalReportRecord	-	13B/c19	13B/c19	specified in ISO/IEC ISP 12059-13, Annex K

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This table is based on Table B.8 of ITU-T Rcc X.738 | ISO/IEC 10164-13.

Table A.8 – MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Base Std.	AOM2531 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/1	confilictingPackagesScanner-system	-	13B/c20	m	specified in ISO/IEC ISP 12059-13, Annex L
2	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/2	dynamicSimpleScanner-system	-	13B/c21	m	specified in ISO/IEC ISP 12059-13, Annex L
3	CCITT Rec. X.735 | ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	-	13B/c22	13B/c22	specified in ISO/IEC ISP 12060-5

This table is based on Table B.9 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table A.9 – MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Base Std.	AOM2531 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.1 to C.10	management operations	—	13B/c23	m	specified in A.2
2	ITU-T Rec. X.730 | ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	—	13B/c24	m	specified in ISO/IEC ISP 12059-1
3	ITU-T Rec. X.731 | ISO/IEC 10164-2	Table B.1	stateChange notification	—	13B/c25	m	specified in ISO/IEC ISP 12059-2
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	—	13B/c26	m	specified in A.2
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.12	actions	—	13B/c27	m	specified in A.2

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A.2 Management information support

A.2.1 Attributes

The support of attributes in the manager role for AOM2531 are indicated in Table A.10.

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

Table A.10 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM2531 Profile	Base Std.	AOM2531 Profile	Base Std.	AOM2531 Profile
1	objectClass	{dmi-att 65}	—	13C/c1	m	o.6	m	-	-
2	nameBinding	{dmi-att 63}	—	13C/c1	o	o.6	m	-	-
3	packages	{dmi-att 66}	—	13C/c1	m	o.6	m	-	-
4	allomorphs	{dmi-att 50}	—	13C/c1	i	o.6	i	-	-
5	scannerId	{moa-att 25}	—	13C/c1	o	o.6	m	-	-
6	granularityPeriod	{moa-att 23}	—	13C/c1	m	o.6	m	o.6	m
7	administrativeState	{dmi-att 31}	—	13C/c1	m	o.6	m	o.6	m
8	operationalState	{dmi-att 35}		-	-	o.6	m	-	-
9	availabilityStatus	{dmi-att 33}	off-duty required	-	-	o.6	m	-	-
10	periodSynchronizationTime	{moa-att 24}	—	13C/c2	m	o.6	m	o.6	m
11	startTime	{dmi-att 68}	—	13C/c2	m	o.6	m	o.6	m
12	stopTime	{dmi-att 69}	DMI default	13C/c2	m	o.6	m	o.6	m
13	intervalsOfDay	{dmi-att 57}	DMI default	13C/c2	o	o.6	o	o.6	o
14	weekMask	{dmi-att 71}	DMI default	13C/c2	m	o.6	m	o.6	m
15	schedulerName	{dmi-att 67}	—	13C/c2	o	o.6	o	-	-
16	observationIdList	{summ-att 13}	—	13C/c2	m	o.6	m	o.6	m
17	onceReportAttributeIdList	{summ-att 16}	—	13C/c3	m	o.6	m	o.6	m
18	suppressObjectInstance	{summ-att 26}	—	13C/c2	m	o.6	m	o.6	m
19	timeStampReportMode	{summ-att 29}	timeStampingOff default	13C/c2	m	o.6	m	o.6	m
20	bufferedObservationIdList	{summ-att 5}	—	13C/c4	m	o.6	m	o.6	m
21	reportPeriod	{summ-att 19}	—	13C/c4	m	o.6	m	o.6	m
22	baseManagedObject	{summ-att 3}	—	13C/c5	m	o.6	m	o.6	m
23	scope	{summ-att 25}	—	13C/c5	m	o.6	m	o.6	m
24	scanningFilter	{summ-att 24}	—	13C/c5	m	o.6	m	o.6	m
25	beginTimeOffset	{summ-att 4}	—	13C/c5	m	o.6	m	o.6	m
26	endTimeOffset	{summ-att 7}	—	13C/c5	m	o.6	m	o.6	m
27	timeAttributeIdentifier	{summ-att 28}	—	13C/c5	m	o.6	m	o.6	m
28	objectList	{summ-att 12}	—	13C/c5	m	o.6	m	o.6	m
29	numericAttributeIdArray	{summ-att 10}	—	13C/c6	m	o.6	m	o.6	m
30	numericAttributeIdList	{summ-att 11}	—	13C/c7	m	o.6	m	o.6	m
31	configurablePCT	{moa-att 0}	—	13C/c8	m	o.6	m	o.6	m

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Table A.10 (continued) – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Base Std.	AOM25 31 Profile	Base Std.	AOM25 31 Profile	Base Std.	AOM25 31 Profile
32	logRecordId	{dmi-att 3}	—	-	-	o.6	m	-	-
33	loggingTime	{dmi-att 59}	—	-	-	o.6	m	-	-
34	managedObjectClass	{dmi-att 60}	—	-	-	o.6	m	-	-
35	managedObjectInstance	{dmi-att 61}	—	-	-	o.6	m	-	-
36	eventType	{dmi-att 14}	—	-	-	o.6	m	-	-
37	eventTime	{dmi-att 13}	—	-	-	o.6	m	-	-
38	notificationIdentifier	{dmi-att 16}	—	-	-	o.6	m	-	-
39	correlatedNotifications	{dmi-att 12}	—	-	-	o.6	m	-	-
40	additionalText	{dmi-att 7}	—	-	-	o.6	m	-	-
41	additionalInformation	{dmi-att 6}	—	-	-	o.6	m	-	-
42	granularityPeriod	{moa-att 23}	—	-	-	o.6	m	-	-
43	bufferedObservationList	{summ-att 6}	—	-	-	o.6	m	-	-
44	firstScanInitiationTime	{summ-att 8}	—	-	-	o.6	m	-	-
45	suspectIntervals	{summ-att 27}	—	-	-	o.6	m	-	-
46	incompleteScan	{summ-att 30}	—	-	-	o.6	m	-	-
47	observationScanList	{summ-att 15}	—	-	-	o.6	m	-	-
48	scanInitiationTime	{summ-att 22}	—	-	-	o.6	m	-	-
49	onceReportAttributeList	{summ-att 17}	—	-	-	o.6	m	-	-
50	algorithmOutputs	{summ-att 1}	—	-	-	o.6	m	-	-
51	observationReportList	{summ-att 14}	—	-	-	o.6	m	-	-
52	algorithmParameters	{summ-att 2}	—	-	-	o.6	m	-	-

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Table A.10 (continued) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 31 Profile	Base Std.	AOM25 31 Profile	Base Std.	AOM25 31 Profile	Additional information
1	-	-	-	-	-	-	
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	
7	-	-	-	-	-	-	
8	-	-	-	-	-	-	
9	-	-	-	-	-	-	
10	-	-	-	-	-	-	
11	o.6	m	o.6	m	o.6	m	
12	-	-	-	-	o.6	m	
13	o.6	o	o.6	o	o.6	o	
14	o.6	m	o.6	m	o.6	m	
15	-	-	-	-	-	-	
16	o.6	m	o.6	m	-	-	
17	o.6	m	o.6	m	-	-	
18	-	-	-	-	-	-	
19	-	-	-	-	o.6	m	
20	o.6	m	o.6	m	-	-	
21	-	-	-	-	-	-	
22	-	-	-	-	-	-	
23	-	-	-	-	-	-	
24	-	-	-	-	o.6	m	
25	-	-	-	-	-	-	
26	-	-	-	-	-	-	
27	-	-	-	-	-	-	
28	o.6	m	o.6	m	-	-	
29	-	-	-	-	-	-	
30	o.6	m	o.6	m	-	-	

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Table A.10 (concluded) – Attribute support

Index	Add		Remove		Set To Default		Additional information
	Base Std.	AOM25 31 Profile	Base Std.	AOM25 31 Profile	Base Std.	AOM25 31 Profile	
31	-	-	-	-	-	-	
32	-	-	-	-	-	-	
33	-	-	-	-	-	-	
34	-	-	-	-	-	-	
35	-	-	-	-	-	-	
36	-	-	-	-	-	-	
37	-	-	-	-	-	-	
38	-	-	-	-	-	-	
39	-	-	-	-	-	-	
40	-	-	-	-	-	-	
41	-	-	-	-	-	-	
42	-	-	-	-	-	-	
43	-	-	-	-	-	-	
44	-	-	-	-	-	-	
45	-	-	-	-	-	-	
46	-	-	-	-	-	-	
47	-	-	-	-	-	-	
48	-	-	-	-	-	-	
49	-	-	-	-	-	-	
50	-	-	-	-	-	-	
51	-	-	-	-	-	-	
52	-	-	-	-	-	-	

A.2.2 Create and delete management operations

The support of create and delete management operations in the manager role for AOM2531 are indicated in Table A.11 to A.19.

A.2.2.1 Heterogeneous scanner managed object class

This table is based on Table C.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.11 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 31 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

A.2.2.2 Buffered scanner managed object class

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

Table A.12 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 31 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

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A.2.2.3 Simple scanner managed object class

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

Table A.13 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 31 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

A.2.2.4 Mean scanner managed object class

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

Table A.14 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 31 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

A.2.2.5 Mean variance scanner managed object class

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

Table A.15 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 31 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

A.2.2.6 Min max scanner managed object class

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

Table A.16 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 31 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

A.2.2.7 Percentile scanner managed object class

This table is based on Table C.8 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

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Table A.17 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 31 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

A.2.2.8 Dynamic simple scanner managed object class

This table is based on Table C.9 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.18 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 31 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

A.2.2.9 Event record managed object classes

This table is based on Table C.10 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.19 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 31 Profile	Additional information
1	Create support	—	x	x	
1.1	Create with reference object	—	—	—	
2	Delete support	bufferedScanReportRecord, scanReportRecord and statisticalScanReportRecord	o.6	m	

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A.2.3 Notifications

The support of notifications in the manager role for AOM2531 are indicated in Table A.20.

This table is based on Table C.11 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.20 -Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std.	AOM2531 Profile		Additional information
					Con-firmed	Non-con-firmed	
1	bufferedScanReport	{summ-not 1}	—	13C/c13	m	m	
2	scanReport	{summ-not 2}	—	13C/c14	m	m	
3	statisticalReport	{summ-not 3}	—	13C/c15	m	m	

continued below

Table A.20 (continued) — Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Base Std.	AOM2531 Profile	Additional information
1	1.1	granularityPeriod	{moa-att 23}	—	m	m	
	1.2	firstScanInitiationTime	{summ-att 8}	—	m	m	
	1.3	suspectIntervals	{summ-att 27}	—	m	m	
	1.4	bufferedObservationList	{summ-att 6}	—	m	m	
	1.4.1	objectInstance	-	—	m	m	
	1.4.1.1	distinguishedName	-	—	m	m	
	1.4.1.2	nonSpecificForm	-	—	m	m	
	1.4.1.3	localDistinguishedName	-	—	m	m	
	1.4.2	reportTimeAttributeList	-	—	m	m	
	1.4.2.1	attributeId	-	—	m	m	
	1.4.2.2	attributeValue	-	—	m	m	
	1.4.2.3	timeStamp	-	—	m	m	
	1.4.2.4	suspectFlag	-	Default FALSE	m	m	
	1.4.3	attributesBuffer	-	—	m	m	
	1.4.3.1	attributeId	-	—	m	m	
	1.4.3.2	attributeValue	-	—	m	m	
	1.4.3.3	timeStamp	-	—	m	m	
	1.4.3.4	suspectFlag	-	Default FALSE	m	m	
	1.4.4	numericAttributesBuffer	-	—	m	m	
	1.4.4.1	missingData	-	—	m	m	
	1.4.4.2	valueOnly	-	—	m	m	
	1.4.4.3	qualifiedValue	-	—	m	m	
	1.4.4.3.1	value	-	—	m	m	
	1.4.4.3.2	timeStamp	-	—	m	m	
	1.4.4.3.3	suspectFlag	-	Default FALSE	m	m	
	1.5	incompleteScan	{summ-att 30}	—	m	m	
	1.6	additionalText	{dmi-att 7}	—	m	m	
	1.7	additionalInformation	{dmi-att 6}	—	m	m	

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Table A.20 (concluded) — Notification support

Index	Subindex	Notification field name label	Value of object identifier of attribute type associated with field	Constraints and values	Base Std.	AOM2531 Profile	Additional information
2	2.1.1	scanInitiationTime	{summ-att 22}	—	m	m	
	2.1.2	onceReportAttributeList	{summ-att 16}	—	m	m	
	2.1.3	observationScanList	{summ-att 15}	—	m	m	
	2.1.3.1	observedObjectInstance	-	—	m	m	
	2.1.3.1.1	distinguishedName	-	—	m	m	
	2.1.3.1.2	nonSpecificForm	-	—	m	m	
	2.1.3.1.3	localDistinguishedName	-	—	m	m	
	2.1.3.2	attributeMeasureList	-	—	m	m	
	2.1.3.2.1	attributeId	-	—	m	m	
	2.1.3.2.2	attributeValue	-	—	m	m	
	2.1.3.2.3	timeStamp	-	—	m	m	
	2.1.3.2.4	suspectFlag	-	Default FALSE	m	m	
	2.1.3.3	numericValueArray	-	—	m	m	
	2.1.3.3.1	missingData	-	—	m	m	
	2.1.3.3.2	valueOnly	-	—	m	m	
	2.1.3.3.3	qualifiedValue	-	—	m	m	
	2.1.3.3.3.1	value	-	—	m	m	
	2.1.3.3.3.2	timeStamp	-	—	m	m	
	2.1.3.3.3.3	suspectFlag	-	Default FALSE	m	m	
	2.1.4	incompleteScan	{summ-att 30}	—	m	m	
	2.1.5	additionalText	{dmi-att 7}	—	m	m	
	2.1.6	additionalInformation	{dmi-att 6}	—	m	m	
3	3.1	scanInitiationTime	{summ-att 22}	—	m	m	
	3.2	observationReportList	{summ-att 14}	—	m	m	
	3.2.1	objectInstance	-	—	m	m	
	3.2.1.1	distinguishedName	-	—	m	m	
	3.2.1.2	nonSpecificForm	-	—	m	m	
	3.2.1.3	localDistinguishedName	-	—	m	m	
	3.2.2	attributeMeasureList	-	—	m	m	
	3.2.2.1	attributeId	-	—	m	m	
	3.2.2.2	attributeValue	-	—	m	m	
	3.2.2.3	timeStamp	-	—	m	m	
	3.2.2.4	suspectFlag	-	Default FALSE	m	m	
	3.3	algorithmOutputs	{summ-att 1}	—	m	m	
	3.3.1	attributeId	-	—	m	m	
	3.3.2	algorithmOutput	-	—	m	m	
	3.3.2.1	integer	-	—	m	m	
	3.3.2.2	real	-	—	m	m	
	3.4	algorithmParameters	{summ-att 2}	—	m	m	
	3.4.1	integer	-	—	m	m	
	3.4.2	real	-	—	m	m	
	3.5	incompleteScan	{summ-att 30}	—	m	m	
	3.6	additionalText	{dmi-att 7}	—	m	m	
	3.7	additionalInformation	{dmi-att 6}	—	m	m	

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A.2.4 Actions

The support of actions in the manager role for AOM2531 are indicated in Table A.21.

This table is based on Table C.12 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table A.21 -Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Base Std.	AOM2531 Profile	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		13C/c16	m	
			1.2	Reply		13C/c16	m	
2	activateScanReport	{summ-act 2}	2.1	Information	No information syntax	13C/c17	m	No support table required
			2.2	Reply		13C/c17	m	
3	activateStatisticalReport	{summ-act 3}	3.1	Information	No information syntax	13C/c18	m	No support table required
			3.2	Reply		13C/c18	m	
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	13C/c19	m	No support table required
			4.2	Reply		13C/c19	m	

continued below

Table A.21 — 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.	AOM2531 Profile	Additional information
1.1.1	scanAttributeIdList	{summ-att 21}	—	o	m	
1.1.2	numericAttributeIdArray	{summ-att 10}	—	o	m	
1.1.3	scopedSelection	-	—	o.7	m	
1.1.3.1	baseManagedObject	-	—	c:m	m	
1.1.3.1.1	distinguishedName	-	—	c:o.8	m	
1.1.3.1.2	nonSpecificForm	-	—	c:o.8	m	
1.1.3.1.3	localDistinguishedName	-	—	c:o.8	m	
1.1.3.2	scope	-	—	c:m	m	
1.1.3.3	scanningFilter	-	—	c:m	m	
1.1.4	objectList	-	—	o.7	m	
1.1.5	suppressObjectInstance	{summ-att 26}	—	o	o	
1.1.6	onceReportAttributeIdList	{summ-att 16}	—	o	o	
1.1.7	timeStampReportMode	{summ-att 29}	—	o	o	

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Table A.21 — 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.	AOM25 31 Profile	Additional information
1.2.1	scanInitiationTime	{summ-att 22}	—	m	m	
1.2.2	onceReportAttributeList	{summ-att 16}	—	m	m	
1.2.3	observationScanList	{summ-att 15}	—	m	m	
1.2.3.1	observedObjectInstance	-	—	m	m	
1.2.3.1.1	distinguishedName	-	—	m	m	
1.2.3.1.2	nonSpecificForm	-	—	m	m	
1.2.3.1.3	localDistinguishedName	-	—	m	m	
1.2.3.2	attributeMeasureList	-	—	m	m	
1.2.3.2.1	attributeId	-	—	m	m	
1.2.3.2.2	attributeValue	-	—	m	m	
1.2.3.2.3	timeStamp	-	—	m	m	
1.2.3.2.4	suspectFlag	-	Default FALSE	m	m	
1.2.3.3	numericValueArray	-	—	m	m	
1.2.3.3.1	missingData	-	—	m	m	
1.2.3.3.2	valueOnly	-	—	m	m	
1.2.3.3.3	qualifiedValue	-	—	m	m	
1.2.3.3.3.1	value	-	—	m	m	
1.2.3.3.3.2	timeStamp	-	—	m	m	
1.2.3.3.3.3	suspectFlag	-	Default FALSE	m	m	
1.2.4	incompleteScan	{summ-att 30}	—	m	m	
1.2.5	additionalText	{dmi-att 7}	—	m	m	
1.2.6	additionalInformation	{dmi-att 6}	—	m	m	

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Table A.21 — 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	Base Std.	AOM25 31 Profile	Additional information
2.2.1	scanInitiationTime	{summ-att 22}	—	m	m	
2.2.2	onceReportAttributeList	{summ-att 16}	—	m	m	
2.2.3	observationScanList	{summ-att 15}	—	m	m	
2.2.3.1	observedObjectInstance	-	—	m	m	
2.2.3.1.1	distinguishedName	-	—	m	m	
2.2.3.1.2	nonSpecificForm	-	—	m	m	
2.2.3.1.3	localDistinguishedName	-	—	m	m	
2.2.3.2	attributeMeasureList	-	—	m	m	
2.2.3.2.1	attributeId	-	—	m	m	
2.2.3.2.2	attributeValue	-	—	m	m	
2.2.3.2.3	timeStamp	-	—	m	m	
2.2.3.2.4	suspectFlag	-	Default FALSE	m	m	
2.2.3.3	numericValueArray	-	—	m	m	
2.2.3.3.1	missingData	-	—	m	m	
2.2.3.3.2	valueOnly	-	—	m	m	
2.2.3.3.3	qualifiedValue	-	—	m	m	
2.2.3.3.3.1	value	-	—	m	m	
2.2.3.3.3.2	timeStamp	-	—	m	m	
2.2.3.3.3.3	suspectFlag	-	Default FALSE	m	m	
2.2.4	incompleteScan	{summ-att 30}	—	m	m	
2.2.5	additionalText	{dmi-att 7}	—	m	m	
2.2.6	additionalInformation	{dmi-att 6}	—	m	m	

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Table A.21 — 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	Base Std.	AOM25 31 Profile	Additional information
3.2.1	scanInitiationTime	{summ-att 22}	—	m	m	
3.2.2	observationReportList	{summ-att 14}	—	m	m	
3.2.2.1	objectInstance	-	—	m	m	
3.2.2.1.1	distinguishedName	-	—	m	m	
3.2.2.1.2	nonSpecificForm	-	—	m	m	
3.2.2.1.3	localDistinguishedName	-	—	m	m	
3.2.2.2	attributeMeasureList	-	—	m	m	
3.2.2.2.1	attributeId	-	—	m	m	
3.2.2.2.2	attributeValue	-	—	m	m	
3.2.2.2.3	timeStamp	-	—	m	m	
3.2.2.2.4	suspectFlag	-	Default FALSE	m	m	
3.2.3	algorithmOutputs	{summ-att 1}	—	m	m	
3.2.3.1	attributeId	-	—	m	m	
3.2.3.2	algorithmOutput	-	—	m	m	
3.2.3.2.1	integer	-	—	m	m	
3.2.3.2.2	real	-	—	m	m	
3.2.4	algorithmParameters	{summ-att 2}	—	m	m	
3.2.4.1	integer	-	—	m	m	
3.2.4.2	real	-	—	m	m	
3.2.5	incompleteScan	{summ-att 30}	—	m	m	
3.2.6	additionalText	{dmi-att 7}	—	m	m	
3.2.7	additionalInformation	{dmi-att 6}	—	m	m	

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Table A.21 — 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	Base Std.	AOM2531 Profile	Additional information
4.2.1	granularityPeriod	{moa-att 23}	—	m	m	
4.2.2	firstScanInitiationTime	{summ-att 8}	—	m	m	
4.2.3	suspectIntervals	{summ-att 27}	—	m	m	
4.2.4	bufferedObservationList	{summ-att 6}	—	m	m	
4.2.4.1	objectInstance	-	—	m	m	
4.2.4.1.1	distinguishedName	-	—	m	m	
4.2.4.1.2	nonSpecificForm	-	—	m	m	
4.2.4.1.3	localDistinguishedName	-	—	m	m	
4.2.4.2	reportTimeAttributeList	-	—	m	m	
4.2.4.2.1	attributeId	-	—	m	m	
4.2.4.2.2	attributeValue	-	—	m	m	
4.2.4.2.3	timeStamp	-	—	m	m	
4.2.4.2.4	suspectFlag	-	Default FALSE	m	m	
4.2.4.3	attributesBuffer	-	—	m	m	
4.2.4.3.1	attributeId	-	—	m	m	
4.2.4.3.2	attributeValue	-	—	m	m	
4.2.4.3.3	timeStamp	-	—	m	m	
4.2.4.3.4	suspectFlag	-	Default FALSE	m	m	
4.2.4.4	numericAttributesBuffer	-	—	m	m	
4.2.4.4.1	missingData	-	—	m	m	
4.2.4.4.2	valueOnly	-	—	m	m	
4.2.4.4.3	qualifiedValue	-	—	m	m	
4.2.4.4.3.1	value	-	—	m	m	
4.2.4.4.3.2	timeStamp	-	—	m	m	
4.2.4.4.3.3	suspectFlag	-	Default FALSE	m	m	
4.2.5	incompleteScan	{summ-att 30}	—	m	m	
4.2.6	additionalText	{dmi-att 7}	—	m	m	
4.7	additionalInformation	{dmi-att 6}	—	m	m	

A.2.5 Parameters

The support of parameters in the manager role for AOM2531 are indicated in Table A.22.

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

Table A.22 - Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Base Std.	AOM2531 Profile	Additional information
1	scanActionError	{summ-prm 1}	—	13C/c20	m	
2	conflictingPackagesRequestedError	{summ-prm 2}	—	13C/c21	m	

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A.3 CMIP PDU requirements

An implementation conforming to AOM2531 shall support the CMIP PDUs associated with following CMIS services. The list of CMIP PDUs associated with each service are specified in ISO/IEC ISP 11183-2.

Table A.23 – CMIP PDU Requirements

Index	CMISE Service Primitive	ISP 11183-2 Table Reference		Changes from profile columns in 11183-2 tables
		Manager	Agent	
1	M-ACTION	Table A.15	Table A.16	none
2	M-CANCEL-GET	Table A.17	Table A.18	none
3	M-CREATE	Table A.19	Table A.20	none
4	M-DELETE	Table A.21	Table A.22	none
5	M-EVENT-REPORT	Table A.24	Table A.23	none
6	M-GET	Table A.25	Table A.26	none
7	M-SET	Table A.27	Table A.28	none

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Annex B

(normative)

Simple Scanner Object Profile

Profile Requirements List (profile RL) for AOM2532

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.
AOM2532 Profile:	AOM2532 profile requirements defined for this item.

The notation used in this annex is identified in clause 5 of this part of ISO/IEC ISP 12060. The parameter names are those which are specified in ITU-T Rec. X.738 | ISO/IEC 10164-13.

B.1 Management conformance summary

The support of roles are indicated in Table B.1.

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

Table B.1 – Roles

Index	Roles supported	Base Std.	AOM2532 Profile	Additional information
1	Manager role support	o.1	o.2	
2	Agent role support	o.1	o.2	

The support of systems management functional units are indicated in Table B.2.

This table is based on Table B.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table B.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Base Std.	AOM2532 Profile	Base Std.	AOM2532 Profile	
1	Scan stimulation functional unit	13B/c1	c1	13B/c2	c2	
2	Summarization event reporting functional unit	13B/c1	c1	13B/c2	c2	

c1 : if B.1/1a [ISO/IEC 10164-13] then m else i

c2 : if B.1/2a [ISO/IEC 10164-13] then m else i

The support of management information in the manager role for AOM2532 are indicated in Table B.3.

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

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Table B.3 – Manager role minimum conformance requirement

Index	Item	Base Std.	AOM2532 Profile	Additional information
1	Operations on managed objects	13B/c3	m	
2	Buffered scan report notification	13B/c4	i	
3	Scan report notification	13B/c4	m	
4	Statistical report notification	13B/c4	i	
5	Activate dynamic simple scan report action	13B/c5	i	
6	Activate scan report action	13B/c5	i	
7	Activate statistical report action	13B/c5	m	
8	Report buffer action	13B/c5	i	
9	Object creation notification from at least one summarization managed objects	13B/c3	m	
10	Object deletion notification from at least one summarization managed objects	13B/c3	m	
11	Attribute value change notification from at least summarization managed objects	13B/c3	m	
12	State change notification from at least one summarization managed objects	13B/c3	m	

The support of management information in the agent role for AOM2532 are indicated in Table B.4.

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

Table B.4 – Agent role minimum conformance requirement

Index	Item	Base Std.	AOM2532 Profile	Additional information
1	Heterogeneous scanner managed object	13B/c6	i	
2	Buffered scanner managed object	13B/c6	i	
3	Simple scanner managed object	13B/c6	m	
4	Mean scanner managed object	13B/c6	i	
5	Mean variance scanner managed object	13B/c6	i	
6	Min max scanner managed object	13B/c6	i	
7	Percentile scanner managed object	13B/c6	i	
8	Dynamic simple scanner managed object	13B/c6	i	

The support of logging of event records for AOM2532 is indicated in Table B.5.

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

Table B.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	13B/c7	13B/c7	

The following tables identifies part of the information that the supplier of the implementation shall provide in the final management conformance summary . The supplier shall indicate claims of conformance to the following standards.

NOTE – In tables B.6, B.7, B.8 and B.9, the "Base Std." column and the "Profile" 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 "Base Std." or "Profile" column.

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

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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	Base Std.	AOM2532 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC, 10164-1	Annex E all tables	SM application Context	–	o	m	specified in ISO/IEC ISP 12059-1
2	ISO/IEC 9596-2	all tables	CMIP	–	o	m	specified in ISO/IEC ISP 11183-2
3	ISO/IEC 8650-2	all tables	ACSE	–	o	m	specified in ISO/IEC ISP 11183-1
4	ISO/IEC 8823-2	all tables	Presentation	–	o	m	specified in ISO/IEC ISP 11183-1
5	ISO/IEC 8327-2	all tables	Session	–	o	m	specified in ISO/IEC ISP 11183-1

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

Table B.7 — MOCS support summary

Index	Identification of the document including the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Base Std.	AOM2532 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC 10164-1	Annex C all tables	objectCreation, objectDeletion and attribute valueChange records	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-1
2	CCITT Rec. X.731 | ISO/IEC 10164-2	Annex C all tables	stateChange Record	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-2
3	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex D all tables	heterogeneousScanner	-	13B/c9	i	specified in ISO/IEC ISP 12059-13, Annex A
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex E all tables	bufferedScanner	-	13B/c10	i	specified in ISO/IEC ISP 12059-13, Annex B
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex F all tables	simpleScanner	-	13B/c11	m	specified in ISO/IEC ISP 12059-13, Annex C
6	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex G all tables	meanScanner	-	13B/c12	i	specified in ISO/IEC ISP 12059-13, Annex D
7	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex H all tables	meanVarianceScanner	-	13B/c13	i	specified in ISO/IEC ISP 12059-13, Annex E
8	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex I all tables	minMaxScanner	-	13B/c14	i	specified in ISO/IEC ISP 12059-13, Annex F
9	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex J all tables	percentileScanner	-	13B/c15	i	specified in ISO/IEC ISP 12059-13, Annex G
10	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex K all tables	dynamicSimpleScanner	-	13B/c16	i	specified in ISO/IEC ISP 12059-13, Annex H
11	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex L all tables	bufferedScanReportRecord	-	13B/c17	i	specified in ISO/IEC ISP 12059-13, Annex I
12	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex M all tables	scanReportRecord	-	13B/c18	13B/c18	specified in ISO/IEC ISP 12059-13, Annex J
13	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex N all tables	statisticalReportRecord	-	13B/c19	i	specified in ISO/IEC ISP 12059-13, Annex K

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This table is based on Table B.8 of ITU-T Rec X.738 | ISO/IEC 10164-13.

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	Base Std.	AOM2532 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/1	confilictingPackagesScanner-system	-	13B/c20	m	specified in ISO/IEC ISP 12059-13, Annex L
2	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/2	dynamicSimpleScanner-system	-	13B/c21	i	specified in ISO/IEC ISP 12059-13, Annex L
3	CCITT Rec. X.735 | ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	-	13B/c22	13B/c22	specified in ISO/IEC ISP 12060-5

This table is based on Table B.9 of ITU-T Rec X.738 | ISO/IEC 10164-13.

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	Base Std.	AOM2532 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.1 to C.10	management operations	—	13B/c23	m	specified in B.2
2	ITU-T Rec. X.730 | ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	—	13B/c24	m	specified in ISO/IEC ISP 12059-1
3	ITU-T Rec. X.731 | ISO/IEC 10164-2	Table B.1	stateChange notification	—	13B/c25	m	specified in ISO/IEC ISP 12059-2
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	—	13B/c26	m	specified in B.2
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.12	actions	—	13B/c27	m	specified in B.2

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B.2 Management information support

B.2.1 Attributes

The support of attributes in the manager role for AOM2532 are indicated in Table B.10.

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

Table B.10 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM2532 Profile	Base Std.	AOM2532 Profile	Base Std.	AOM2532 Profile
1	objectClass	{dmi-att 65}	—	13C/c1	m	o.6	m	-	-
2	nameBinding	{dmi-att 63}	—	13C/c1	o	o.6	m	-	-
3	packages	{dmi-att 66}	—	13C/c1	m	o.6	m	-	-
4	allomorphs	{dmi-att 50}	—	13C/c1	i	o.6	i	-	-
5	scannerId	{moa-att 25}	—	13C/c1	o	o.6	m	-	-
6	granularityPeriod	{moa-att 23}	—	13C/c1	m	o.6	m	o.6	m
7	administrativeState	{dmi-att 31}	—	13C/c1	m	o.6	m	o.6	m
8	operationalState	{dmi-att 35}		-	-	o.6	m	-	-
9	availabilityStatus	{dmi-att 33}	off-duty required	-	-	o.6	m	-	-
10	periodSynchronizationTime	{moa-att 24}	—	13C/c2	m	o.6	m	o.6	m
11	startTime	{dmi-att 68}	—	13C/c2	m	o.6	m	o.6	m
12	stopTime	{dmi-att 69}	DMI default	13C/c2	m	o.6	m	o.6	m
13	intervalsOfDay	{dmi-att 57}	DMI default	13C/c2	o	o.6	o	o.6	o
14	weekMask	{dmi-att 71}	DMI default	13C/c2	m	o.6	m	o.6	m
15	schedulerName	{dmi-att 67}	—	13C/c2	o	o.6	o	-	-
16	observationIdList	{summ-att 13}	—	13C/c2	i	o.6	i	o.6	i
17	onceReportAttributeIdList	{summ-att 16}	—	13C/c3	m	o.6	m	o.6	m
18	suppressObjectInstance	{summ-att 26}	—	13C/c2	m	o.6	m	o.6	m
19	timeStampReportMode	{summ-att 29}	timeStampingOff default	13C/c2	m	o.6	m	o.6	m
20	bufferedObservationIdList	{summ-att 5}	—	13C/c4	i	o.6	i	o.6	i
21	reportPeriod	{summ-att 19}	—	13C/c4	i	o.6	i	o.6	i
22	baseManagedObject	{summ-att 3}	—	13C/c5	m	o.6	m	o.6	m
23	scope	{summ-att 25}	—	13C/c5	m	o.6	m	o.6	m
24	scanningFilter	{summ-att 24}	—	13C/c5	m	o.6	m	o.6	m
25	beginTimeOffset	{summ-att 4}	—	13C/c5	m	o.6	m	o.6	m
26	endTimeOffset	{summ-att 7}	—	13C/c5	m	o.6	m	o.6	m
27	timeAttributeIdentifier	{summ-att 28}	—	13C/c5	m	o.6	m	o.6	m
28	objectList	{summ-att 12}	—	13C/c5	m	o.6	m	o.6	m
29	numericAttributeIdArray	{summ-att 10}	—	13C/c6	m	o.6	m	o.6	m
30	numericAttributeIdList	{summ-att 11}	—	13C/c7	i	o.6	i	o.6	i
31	configurablePCT	{moa-att 0}	—	13C/c8	i	o.6	i	o.6	i

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Table B.10 (continued) – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Base Std.	AOM2532 Profile	Base Std.	AOM2532 Profile	Base Std.	AOM2532 Profile
32	logRecordId	{dmi-att 3}	—	-	-	o.6	i	-	-
33	loggingTime	{dmi-att 59}	—	-	-	o.6	i	-	-
34	managedObjectClass	{dmi-att 60}	—	-	-	o.6	i	-	-
35	managedObjectInstance	{dmi-att 61}	—	-	-	o.6	i	-	-
36	eventType	{dmi-att 14}	—	-	-	o.6	i	-	-
37	eventTime	{dmi-att 13}	—	-	-	o.6	i	-	-
38	notificationIdentifier	{dmi-att 16}	—	-	-	o.6	i	-	-
39	correlatedNotifications	{dmi-att 12}	—	-	-	o.6	i	-	-
40	additionalText	{dmi-att 7}	—	-	-	o.6	i	-	-
41	additionalInformation	{dmi-att 6}	—	-	-	o.6	i	-	-
42	granularityPeriod	{moa-att 23}	—	-	-	o.6	i	-	-
43	bufferedObservationList	{summ-att 6}	—	-	-	o.6	i	-	-
44	firstScanInitiationTime	{summ-att 8}	—	-	-	o.6	i	-	-
45	suspectIntervals	{summ-att 27}	—	-	-	o.6	i	-	-
46	incompleteScan	{summ-att 30}	—	-	-	o.6	i	-	-
47	observationScanList	{summ-att 15}	—	-	-	o.6	i	-	-
48	scanInitiationTime	{summ-att 22}	—	-	-	o.6	i	-	-
49	onceReportAttributeList	{summ-att 17}	—	-	-	o.6	i	-	-
50	algorithmOutputs	{summ-att 1}	—	-	-	o.6	i	-	-
51	observationReportList	{summ-att 14}	—	-	-	o.6	i	-	-
52	algorithmParameters	{summ-att 2}	—	-	-	o.6	i	-	-

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Table B.10 (continued) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 32 Profile	Base Std.	AOM25 32 Profile	Base Std.	AOM25 32 Profile	Additional information
1	-	-	-	-	-	-	
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	
7	-	-	-	-	-	-	
8	-	-	-	-	-	-	
9	-	-	-	-	-	-	
10	-	-	-	-	-	-	
11	o.6	m	o.6	m	o.6	m	
12	-	-	-	-	o.6	m	
13	o.6	o	o.6	o	o.6	o	
14	o.6	m	o.6	m	o.6	m	
15	-	-	-	-	-	-	
16	o.6	o	o.6	o	-	-	
17	o.6	m	o.6	m	-	-	
18	-	-	-	-	-	-	
19	-	-	-	-	o.6	m	
20	o.6	i	o.6	i	-	-	
21	-	-	-	-	-	-	
22	-	-	-	-	-	-	
23	-	-	-	-	-	-	
24	-	-	-	-	o.6	m	
25	-	-	-	-	-	-	
26	-	-	-	-	-	-	
27	-	-	-	-	-	-	
28	o.6	m	o.6	m	-	-	
29	-	-	-	-	-	-	
30	o.6	i	o.6	i	-	-	

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Table B.10 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 32 Profile	Base Std.	AOM25 32 Profile	Base Std.	AOM25 32 Profile	Additional information
31	-	-	-	-	-	-	
32	-	-	-	-	-	-	
33	-	-	-	-	-	-	
34	-	-	-	-	-	-	
35	-	-	-	-	-	-	
36	-	-	-	-	-	-	
37	-	-	-	-	-	-	
38	-	-	-	-	-	-	
39	-	-	-	-	-	-	
40	-	-	-	-	-	-	
41	-	-	-	-	-	-	
42	-	-	-	-	-	-	
43	-	-	-	-	-	-	
44	-	-	-	-	-	-	
45	-	-	-	-	-	-	
46	-	-	-	-	-	-	
47	-	-	-	-	-	-	
48	-	-	-	-	-	-	
49	-	-	-	-	-	-	
50	-	-	-	-	-	-	
51	-	-	-	-	-	-	
52	-	-	-	-	-	-	

B.2.2 Create and delete management operations

The support of create and delete management operations in the manager role for AOM2532 are indicated in Table B.11.

B.2.2.1 Simple scanner managed object class

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

Table B.11 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 32 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

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B.2.3 Notifications

The support of notifications in the manager role for AOM2532 are indicated in Table B.12.

This table is based on Table C.11 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table B.12 -Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std.	AOM2532 Profile		Additional information
					Con-firmed	Non-con-firmed	
1	bufferedScanReport	{summ-not 1}	—	13C/c13	i	i	
2	scanReport	{summ-not 2}	—	13C/c14	m	m	
3	statisticalReport	{summ-not 3}	—	13C/c15	i	i	

The detailed profile requirement lists for scanReport are as specified in Table A.20. For this reason the table is not repeated here.

B.2.4 Actions

The support of actions in the manager role for AOM2532 are indicated in Table B.13.

This table is based on Table C.12 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table B.13 -Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Base Std.	AOM2532 Profile	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		13C/c16	i	
			1.2	Reply		13C/c16	i	
2	activateScanReport	{summ-act 2}	2.1	Information	No information syntax	13C/c17	i	No support table required
			2.2	Reply		13C/c17	i	
3	activateStatisticalReport	{summ-act 3}	3.1	Information	No information syntax	13C/c18	m	No support table required
			3.2	Reply		13C/c18	m	
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	13C/c19	i	No support table required
			4.2	Reply		13C/c19	i	

The detailed profile requirement lists for activateStatisticalReport action are as specified in Table A.21. For this reason the table is not repeated here.

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B.2.5 Parameters

The support of parameters in the manager role for AOM2532 are indicated in Table B.14.

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

Table B.14 - Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Base Std.	AOM2532 Profile	Additional information
1	scanActionError	{summ-prm 1}	—	13C/c20	m	
2	conflictingPackagesRequestedError	{summ-prm 2}	—	13C/c21	m	

B.3 CMIP PDU requirements

An implementation conforming to AOM2532 shall support the CMIP PDUs associated with following CMIS services. The list of CMIP PDUs associated with each service are specified in ISO/IEC ISP 11183-2.

Table B.15 – CMIP PDU Requirements

Index	CMISE Service Primitive	ISP 11183-2 Table Reference		Changes from profile columns in 11183-2 tables
		Manager	Agent	
1	M-ACTION	Table A.15	Table A.16	none
2	M-CANCEL-GET	Table A.17	Table A.18	none
3	M-CREATE	Table A.19	Table A.20	none
4	M-DELETE	Table A.21	Table A.22	none
5	M-EVENT-REPORT	Table A.24	Table A.23	none
6	M-GET	Table A.25	Table A.26	none
7	M-SET	Table A.27	Table A.28	none

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Annex C

(normative)

Dynamic Simple Scanner Object Profile

Profile Requirements List (profile RL) for AOM2533

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.
AOM2533 Profile:	AOM2533 profile requirements defined for this item.

The notation used in this annex is identified in clause 5 of this part of ISO/IEC ISP 12060. The parameter names are those which are specified in ITU-T Rec. X.738 | ISO/IEC 10164-13.

C.1 Management conformance summary

The support of roles are indicated in Table C.1.

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

Table C.1 – Roles

Index	Roles supported	Base Std.	AOM2533 Profile	Additional information
1	Manager role support	o.1	o.2	
2	Agent role support	o.1	o.2	

The support of systems management functional units are indicated in Table C.2.

This table is based on Table B.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table C.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Base Std.	AOM2533 Profile	Base Std.	AOM2533 Profile	
1	Scan stimulation functional unit	13B/c1	c1	13B/c2	c2	
2	Summarization event reporting functional unit	13B/c1	c1	13B/c2	c2	

c1 : if B.1/1a [ISO/IEC 10164-13] then m else i

c2 : if B.1/2a [ISO/IEC 10164-13] then m else i

The support of management information in the manager role for AOM2533 are indicated in Table C.3.

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

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Table C.3 – Manager role minimum conformance requirement

Index	Item	Base Std.	AOM2533 Profile	Additional information
1	Operations on managed objects	13B/c3	m	
2	Buffered scan report notification	13B/c4	i	
3	Scan report notification	13B/c4	i	
4	Statistical report notification	13B/c4	i	
5	Activate dynamic simple scan report action	13B/c5	m	
6	Activate scan report action	13B/c5	i	
7	Activate statistical report action	13B/c5	i	
8	Report buffer action	13B/c5	i	
9	Object creation notification from at least one summarization managed objects	13B/c3	i	
10	Object deletion notification from at least one summarization managed objects	13B/c3	i	
11	Attribute value change notification from at least summarization managed objects	13B/c3	i	
12	State change notification from at least one summarization managed objects	13B/c3	i	

The support of management information in the agent role for AOM2533 are indicated in Table C.4.

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

Table C.4 – Agent role minimum conformance requirement

Index	Item	Base Std.	AOM2533 Profile	Additional information
1	Heterogeneous scanner managed object	13B/c6	i	
2	Buffered scanner managed object	13B/c6	i	
3	Simple scanner managed object	13B/c6	i	
4	Mean scanner managed object	13B/c6	i	
5	Mean variance scanner managed object	13B/c6	i	
6	Min max scanner managed object	13B/c6	i	
7	Percentile scanner managed object	13B/c6	i	
8	Dynamic simple scanner managed object	13B/c6	m	

The support of logging of event records for AOM2533 is indicated in Table C.5.

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

Table C.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	13B/c7	i	

The following tables identifies part of the information that the supplier of the implementation shall provide in the final management conformance summary . The supplier shall indicate claims of conformance to the following standards.

NOTE – In tables C.6, C.7, C.8 and C.9, the "Base Std." column and the "Profile" 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 "Base Std." or "Profile" column.

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

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Table C.6 – PICS support summary

Index	Identification of the document that includes the PICS proforma	Table numbers of PICS proforma	Description	Constraints and values	Base Std.	AOM2533 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC, 10164-1	Annex E all tables	SM application Context	–	o	m	specified in ISO/IEC ISP 12059-1
2	ISO/IEC 9596-2	all tables	CMIP	–	o	m	specified in ISO/IEC ISP 11183-2
3	ISO/IEC 8650-2	all tables	ACSE	–	o	m	specified in ISO/IEC ISP 11183-1
4	ISO/IEC 8823-2	all tables	Presentation	–	o	m	specified in ISO/IEC ISP 11183-1
5	ISO/IEC 8327-2	all tables	Session	–	o	m	specified in ISO/IEC ISP 11183-1

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

Table C.7 — MOCS support summary

Index	Identification of the document including the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Base Std.	AOM2533 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC 10164-1	Annex C all tables	objectCreation, objectDeletion and attribute valueChange records	-	13B/c8	i	specified in ISO/IEC ISP 12059-1
2	CCITT Rec. X.731 | ISO/IEC 10164-2	Annex C all tables	stateChange Record	-	13B/c8	i	specified in ISO/IEC ISP 12059-2
3	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex D all tables	heterogeneousScanner	-	13B/c9	i	specified in ISO/IEC ISP 12059-13, Annex A
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex E all tables	bufferedScanner	-	13B/c10	i	specified in ISO/IEC ISP 12059-13, Annex B
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex F all tables	simpleScanner	-	13B/c11	m	specified in ISO/IEC ISP 12059-13, Annex C
6	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex G all tables	meanScanner	-	13B/c12	i	specified in ISO/IEC ISP 12059-13, Annex D
7	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex H all tables	meanVarianceScanner	-	13B/c13	i	specified in ISO/IEC ISP 12059-13, Annex E
8	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex I all tables	minMaxScanner	-	13B/c14	i	specified in ISO/IEC ISP 12059-13, Annex F
9	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex J all tables	percentileScanner	-	13B/c15	i	specified in ISO/IEC ISP 12059-13, Annex G
10	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex K all tables	dynamicSimpleScanner	-	13B/c16	m	specified in ISO/IEC ISP 12059-13, Annex H
11	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex L all tables	bufferedScanReportRecord	-	13B/c17	i	specified in ISO/IEC ISP 12059-13, Annex I
12	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex M all tables	scanReportRecord	-	13B/c18	i	specified in ISO/IEC ISP 12059-13, Annex J
13	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex N all tables	statisticalReportRecord	-	13B/c19	i	specified in ISO/IEC ISP 12059-13, Annex K

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This table is based on Table B.8 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table C.8 – MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Base Std.	AOM2533 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/1	confilictingPackagesScanner-system	-	13B/c20	i	specified in ISO/IEC ISP 12059-13, Annex L
2	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/2	dynamicSimpleScanner-system	-	13B/c21	m	specified in ISO/IEC ISP 12059-13, Annex L
3	CCITT Rec. X.735 | ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	-	13B/c22	i	specified in ISO/IEC ISP 12060-5

This table is based on Table B.9 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table C.9 – MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Base Std.	AOM2533 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.1 to C.10	management operations	—	13B/c23	m	specified in C.2
2	ITU-T Rec. X.730 | ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	—	13B/c24	i	specified in ISO/IEC ISP 12059-1
3	ITU-T Rec. X.731 | ISO/IEC 10164-2	Table B.1	stateChange notification	—	13B/c25	i	specified in ISO/IEC ISP 12059-2
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	—	13B/c26	i	
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.12	actions	—	13B/c27	m	specified in C.2

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C.2 Management information support

C.2.1 Attributes

The support of attributes in the manager role for AOM2533 are indicated in Table C.10.

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

Table C.10 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM2533 Profile	Base Std.	AOM2533 Profile	Base Std.	AOM2533 Profile
1	objectClass	{dmi-att 65}	—	13C/c1	m	o.6	m	-	-
2	nameBinding	{dmi-att 63}	—	13C/c1	o	o.6	m	-	-
3	packages	{dmi-att 66}	—	13C/c1	m	o.6	m	-	-
4	allomorphs	{dmi-att 50}	—	13C/c1	i	o.6	i	-	-
5	scannerId	{moa-att 25}	—	13C/c1	o	o.6	m	-	-
6	granularityPeriod	{moa-att 23}	—	13C/c1	i	o.6	i	o.6	i
7	administrativeState	{dmi-att 31}	—	13C/c1	m	o.6	m	o.6	m
8	operationalState	{dmi-att 35}		-	-	o.6	m	-	-
9	availabilityStatus	{dmi-att 33}	off-duty required	-	-	o.6	i	-	-
10	periodSynchronizationTime	{moa-att 24}	—	13C/c2	i	o.6	i	o.6	i
11	startTime	{dmi-att 68}	—	13C/c2	i	o.6	i	o.6	i
12	stopTime	{dmi-att 69}	DMI default	13C/c2	i	o.6	i	o.6	i
13	intervalsOfDay	{dmi-att 57}	DMI default	13C/c2	i	o.6	i	o.6	i
14	weekMask	{dmi-att 71}	DMI default	13C/c2	i	o.6	i	o.6	i
15	schedulerName	{dmi-att 67}	—	13C/c2	i	o.6	i	-	-
16	observationIdList	{summ-att 13}	—	13C/c2	i	o.6	i	o.6	i
17	onceReportAttributeIdList	{summ-att 16}	—	13C/c3	i	o.6	i	o.6	i
18	suppressObjectInstance	{summ-att 26}	—	13C/c2	i	o.6	i	o.6	i
19	timeStampReportMode	{summ-att 29}	timeStampingOff default	13C/c2	i	o.6	i	o.6	i
20	bufferedObservationIdList	{summ-att 5}	—	13C/c4	i	o.6	i	o.6	i
21	reportPeriod	{summ-att 19}	—	13C/c4	i	o.6	i	o.6	i
22	baseManagedObject	{summ-att 3}	—	13C/c5	i	o.6	i	o.6	i
23	scope	{summ-att 25}	—	13C/c5	i	o.6	i	o.6	i
24	scanningFilter	{summ-att 24}	—	13C/c5	i	o.6	i	o.6	i
25	beginTimeOffset	{summ-att 4}	—	13C/c5	i	o.6	i	o.6	i
26	endTimeOffset	{summ-att 7}	—	13C/c5	i	o.6	i	o.6	i
27	timeAttributeIdentifier	{summ-att 28}	—	13C/c5	i	o.6	i	o.6	i
28	objectList	{summ-att 12}	—	13C/c5	i	o.6	i	o.6	i
29	numericAttributeIdArray	{summ-att 10}	—	13C/c6	i	o.6	i	o.6	i
30	numericAttributeIdList	{summ-att 11}	—	13C/c7	i	o.6	i	o.6	i
31	configurablePCT	{moa-att 0}	—	13C/c8	i	o.6	i	o.6	i

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Table C.10 (continued) – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM25 33 Profile	Base Std.	AOM25 33 Profile	Base Std.	AOM25 33 Profile
32	logRecordId	{dmi-att 3}	—	-	-	o.6	i	-	-
33	loggingTime	{dmi-att 59}	—	-	-	o.6	i	-	-
34	managedObjectClass	{dmi-att 60}	—	-	-	o.6	i	-	-
35	managedObjectInstance	{dmi-att 61}	—	-	-	o.6	i	-	-
36	eventType	{dmi-att 14}	—	-	-	o.6	i	-	-
37	eventTime	{dmi-att 13}	—	-	-	o.6	i	-	-
38	notificationIdentifier	{dmi-att 16}	—	-	-	o.6	i	-	-
39	correlatedNotifications	{dmi-att 12}	—	-	-	o.6	i	-	-
40	additionalText	{dmi-att 7}	—	-	-	o.6	i	-	-
41	additionalInformation	{dmi-att 6}	—	-	-	o.6	i	-	-
42	granularityPeriod	{moa-att 23}	—	-	-	o.6	i	-	-
43	bufferedObservationList	{summ-att 6}	—	-	-	o.6	i	-	-
44	firstScanInitiationTime	{summ-att 8}	—	-	-	o.6	i	-	-
45	suspectIntervals	{summ-att 27}	—	-	-	o.6	i	-	-
46	incompleteScan	{summ-att 30}	—	-	-	o.6	i	-	-
47	observationScanList	{summ-att 15}	—	-	-	o.6	i	-	-
48	scanInitiationTime	{summ-att 22}	—	-	-	o.6	i	-	-
49	onceReportAttributeList	{summ-att 17}	—	-	-	o.6	i	-	-
50	algorithmOutputs	{summ-att 1}	—	-	-	o.6	i	-	-
51	observationReportList	{summ-att 14}	—	-	-	o.6	i	-	-
52	algorithmParameters	{summ-att 2}	—	-	-	o.6	i	-	-

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Table C.10 (continued) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 33 Profile	Base Std.	AOM25 33 Profile	Base Std.	AOM25 33 Profile	Additional information
1	-	-	-	-	-	-	
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	
7	-	-	-	-	-	-	
8	-	-	-	-	-	-	
9	-	-	-	-	-	-	
10	-	-	-	-	-	-	
11	o.6	i	o.6	i	o.6	i	
12	-	-	-	-	o.6	i	
13	o.6	i	o.6	i	o.6	i	
14	o.6	i	o.6	i	o.6	i	
15	-	-	-	-	-	-	
16	o.6	i	o.6	i	-	-	
17	o.6	i	o.6	i	-	-	
18	-	-	-	-	-	-	
19	-	-	-	-	o.6	i	
20	o.6	i	o.6	i	-	-	
21	-	-	-	-	-	-	
22	-	-	-	-	-	-	
23	-	-	-	-	-	-	
24	-	-	-	-	o.6	i	
25	-	-	-	-	-	-	
26	-	-	-	-	-	-	
27	-	-	-	-	-	-	
28	o.6	i	o.6	i	-	-	
29	-	-	-	-	-	-	
30	o.6	i	o.6	i	-	-	

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Table C.10 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 33 Profile	Base Std.	AOM25 33 Profile	Base Std.	AOM25 33 Profile	Additional information
31	-	-	-	-	-	-	
32	-	-	-	-	-	-	
33	-	-	-	-	-	-	
34	-	-	-	-	-	-	
35	-	-	-	-	-	-	
36	-	-	-	-	-	-	
37	-	-	-	-	-	-	
38	-	-	-	-	-	-	
39	-	-	-	-	-	-	
40	-	-	-	-	-	-	
41	-	-	-	-	-	-	
42	-	-	-	-	-	-	
43	-	-	-	-	-	-	
44	-	-	-	-	-	-	
45	-	-	-	-	-	-	
46	-	-	-	-	-	-	
47	-	-	-	-	-	-	
48	-	-	-	-	-	-	
49	-	-	-	-	-	-	
50	-	-	-	-	-	-	
51	-	-	-	-	-	-	
52	-	-	-	-	-	-	

C.2.2 Create and delete management operations

The support of create and delete management operations in the manager role for AOM2533 are indicated in Table C.11.

C.2.2.1 Dynamic simple scanner managed object class

This table is based on Table C.9 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table C.11 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 33 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

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C.2.3 Actions

The support of actions in the manager role for AOM2533 are indicated in Table C.13.

This table is based on Table C.12 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table C.12 -Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Base Std.	AOM2533 Profile	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		13C/c16	m	
			1.2	Reply		13C/c16	m	
2	activateScanReport	{summ-act 2}	2.1	Information	No information syntax	13C/c17	i	No support table required
			2.2	Reply		13C/c17	i	
3	activateStatisticalReport	{summ-act 3}	3.1	Information	No information syntax	13C/c18	i	No support table required
			3.2	Reply		13C/c18	i	
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	13C/c19	i	No support table required
			4.2	Reply		13C/c19	i	

The detailed profile requirement lists for activateDynamicSimpleReport action are as specified in Table A.21. For this reason the table is not repeated here.

C.2.4 Parameters

The support of parameters in the manager role for AOM2533 are indicated in Table C.13.

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

Table C.13 - Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Base Std.	AOM2533 Profile	Additional information
1	scanActionError	{summ-prm 1}	—	13C/c20	m	
2	conflictingPackagesRequestedError	{summ-prm 2}	—	13C/c21	m	

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C.3 CMIP PDU requirements

An implementation conforming to AOM2533 shall support the CMIP PDUs associated with following CMIS services. The list of CMIP PDUs associated with each service are specified in ISO/IEC ISP 11183-2.

Table C.15 – CMIP PDU Requirements

Index	CMISE Service Primitive	ISP 11183-2 Table Reference		Changes from profile columns in 11183-2 tables
		Manager	Agent	
1	M-ACTION	Table A.15	Table A.16	none
2	M-CANCEL-GET	Table A.17	Table A.18	none
3	M-CREATE	Table A.19	Table A.20	none
4	M-DELETE	Table A.21	Table A.22	none
5	M-GET	Table A.25	Table A.26	none
6	M-SET	Table A.27	Table A.28	none

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Annex D

(normative)

Heterogeneous Scanner Object Profile

Profile Requirements List (profile RL) for AOM2534

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.
AOM2534 Profile:	AOM2534 profile requirements defined for this item.

The notation used in this annex is identified in clause 5 of this part of ISO/IEC ISP 12060. The parameter names are those which are specified in ITU-T Rec. X.738 | ISO/IEC 10164-13.

D.1 Management conformance summary

The support of roles are indicated in Table D.1.

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

Table D.1 – Roles

Index	Roles supported	Base Std.	AOM2534 Profile	Additional information
1	Manager role support	o.1	o.2	
2	Agent role support	o.1	o.2	

The support of systems management functional units are indicated in Table D.2.

This table is based on Table B.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table D.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Base Std.	AOM2534 Profile	Base Std.	AOM2534 Profile	
1	Scan stimulation functional unit	13B/c1	c1	13B/c2	c2	
2	Summarization event reporting functional unit	13B/c1	c1	13B/c2	c2	

c1 : if B.1/1a [ISO/IEC 10164-13] then m else i

c2 : if B.1/2a [ISO/IEC 10164-13] then m else i

The support of management information in the manager role for AOM2534 are indicated in Table D.3.

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

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Table D.3 – Manager role minimum conformance requirement

Index	Item	Base Std.	AOM2534 Profile	Additional information
1	Operations on managed objects	13B/c3	m	
2	Buffered scan report notification	13B/c4	i	
3	Scan report notification	13B/c4	m	
4	Statistical report notification	13B/c4	i	
5	Activate dynamic simple scan report action	13B/c5	i	
6	Activate scan report action	13B/c5	m	
7	Activate statistical report action	13B/c5	i	
8	Report buffer action	13B/c5	i	
9	Object creation notification from at least one summarization managed objects	13B/c3	m	
10	Object deletion notification from at least one summarization managed objects	13B/c3	m	
11	Attribute value change notification from at least summarization managed objects	13B/c3	m	
12	State change notification from at least one summarization managed objects	13B/c3	m	

The support of management information in the agent role for AOM2534 are indicated in Table D.4.

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

Table D.4 – Agent role minimum conformance requirement

Index	Item	Base Std.	AOM2534 Profile	Additional information
1	Heterogeneous scanner managed object	13B/c6	m	
2	Buffered scanner managed object	13B/c6	i	
3	Simple scanner managed object	13B/c6	i	
4	Mean scanner managed object	13B/c6	i	
5	Mean variance scanner managed object	13B/c6	i	
6	Min max scanner managed object	13B/c6	i	
7	Percentile scanner managed object	13B/c6	i	
8	Dynamic simple scanner managed object	13B/c6	i	

The support of logging of event records for AOM2534 is indicated in Table D.5.

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

Table D.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	13B/c7	13B/c7	

The following tables identifies part of the information that the supplier of the implementation shall provide in the final management conformance summary . The supplier shall indicate claims of conformance to the following standards.

NOTE – In tables D.6, D.7, D.8 and D.9, the "Base Std." column and the "Profile" 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 "Base Std." or "Profile" column.

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

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Table D.6 – PICS support summary

Index	Identification of the document that includes the PICS proforma	Table numbers of PICS proforma	Description	Constraints and values	Base Std.	AOM2534 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC, 10164-1	Annex E all tables	SM application Context	–	o	m	specified in ISO/IEC ISP 12059-1
2	ISO/IEC 9596-2	all tables	CMIP	–	o	m	specified in ISO/IEC ISP 11183-2
3	ISO/IEC 8650-2	all tables	ACSE	–	o	m	specified in ISO/IEC ISP 11183-1
4	ISO/IEC 8823-2	all tables	Presentation	–	o	m	specified in ISO/IEC ISP 11183-1
5	ISO/IEC 8327-2	all tables	Session	–	o	m	specified in ISO/IEC ISP 11183-1

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

Table D.7 — MOCS support summary

Index	Identification of the document including the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Base Std.	AOM2534 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC 10164-1	Annex C all tables	objectCreation, objectDeletion and attribute valueChange records	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-1
2	CCITT Rec. X.731 | ISO/IEC 10164-2	Annex C all tables	stateChange Record	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-2
3	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex D all tables	heterogeneousScanner	-	13B/c9	m	specified in ISO/IEC ISP 12059-13, Annex A
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex E all tables	bufferedScanner	-	13B/c10	i	specified in ISO/IEC ISP 12059-13, Annex B
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex F all tables	simpleScanner	-	13B/c11	i	specified in ISO/IEC ISP 12059-13, Annex C
6	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex G all tables	meanScanner	-	13B/c12	i	specified in ISO/IEC ISP 12059-13, Annex D
7	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex H all tables	meanVarianceScanner	-	13B/c13	i	specified in ISO/IEC ISP 12059-13, Annex E
8	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex I all tables	minMaxScanner	-	13B/c14	i	specified in ISO/IEC ISP 12059-13, Annex F
9	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex J all tables	percentileScanner	-	13B/c15	i	specified in ISO/IEC ISP 12059-13, Annex G
10	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex K all tables	dynamicSimpleScanner	-	13B/c16	i	specified in ISO/IEC ISP 12059-13, Annex H
11	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex L all tables	bufferedScanReportRecord	-	13B/c17	i	specified in ISO/IEC ISP 12059-13, Annex I
12	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex M all tables	scanReportRecord	-	13B/c18	13B/c18	specified in ISO/IEC ISP 12059-13, Annex J
13	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex N all tables	statisticalReportRecord	-	13B/c19	i	specified in ISO/IEC ISP 12059-13, Annex K

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This table is based on Table B.8 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table D.8 – MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Base Std.	AOM2534 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/1	confilictingPackagesScanner-system	-	13B/c20	m	specified in ISO/IEC ISP 12059-13, Annex L
2	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/2	dynamicSimpleScanner-system	-	13B/c21	i	specified in ISO/IEC ISP 12059-13, Annex L
3	CCITT Rec. X.735 | ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	-	13B/c22	13B/c22	specified in ISO/IEC ISP 12060-5

This table is based on Table D.9 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table D.9 – MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Base Std.	AOM2534 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.1 to C.10	management operations	—	13B/c23	m	specified in D.2
2	ITU-T Rec. X.730 | ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	—	13B/c24	m	specified in ISO/IEC ISP 12059-1
3	ITU-T Rec. X.731 | ISO/IEC 10164-2	Table B.1	stateChange notification	—	13B/c25	m	specified in ISO/IEC ISP 12059-2
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	—	13B/c26	m	specified in D.2
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.12	actions	—	13B/c27	m	specified in D.2

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D.2 Management information support

D.2.1 Attributes

The support of attributes in the manager role for AOM2534 are indicated in Table D.10.

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

Table D.10 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM2534 Profile	Base Std.	AOM2534 Profile	Base Std.	AOM2534 Profile
1	objectClass	{dmi-att 65}	—	13C/c1	m	o.6	m	-	-
2	nameBinding	{dmi-att 63}	—	13C/c1	o	o.6	m	-	-
3	packages	{dmi-att 66}	—	13C/c1	m	o.6	m	-	-
4	allomorphs	{dmi-att 50}	—	13C/c1	i	o.6	i	-	-
5	scannerId	{moa-att 25}	—	13C/c1	o	o.6	m	-	-
6	granularityPeriod	{moa-att 23}	—	13C/c1	m	o.6	m	o.6	m
7	administrativeState	{dmi-att 31}	—	13C/c1	m	o.6	m	o.6	m
8	operationalState	{dmi-att 35}		-	-	o.6	m	-	-
9	availabilityStatus	{dmi-att 33}	off-duty required	-	-	o.6	m	-	-
10	periodSynchronizationTime	{moa-att 24}	—	13C/c2	m	o.6	m	o.6	m
11	startTime	{dmi-att 68}	—	13C/c2	m	o.6	m	o.6	m
12	stopTime	{dmi-att 69}	DMI default	13C/c2	m	o.6	m	o.6	m
13	intervalsOfDay	{dmi-att 57}	DMI default	13C/c2	o	o.6	o	o.6	o
14	weekMask	{dmi-att 71}	DMI default	13C/c2	m	o.6	m	o.6	m
15	schedulerName	{dmi-att 67}	—	13C/c2	o	o.6	o	-	-
16	observationIdList	{summ-att 13}	—	13C/c2	m	o.6	m	o.6	m
17	onceReportAttributeIdList	{summ-att 16}	—	13C/c3	m	o.6	m	o.6	m
18	suppressObjectInstance	{summ-att 26}	—	13C/c2	m	o.6	m	o.6	m
19	timeStampReportMode	{summ-att 29}	timeStampingOff default	13C/c2	m	o.6	m	o.6	m
20	bufferedObservationIdList	{summ-att 5}	—	13C/c4	i	o.6	i	o.6	i
21	reportPeriod	{summ-att 19}	—	13C/c4	i	o.6	i	o.6	i
22	baseManagedObject	{summ-att 3}	—	13C/c5	i	o.6	i	o.6	i
23	scope	{summ-att 25}	—	13C/c5	i	o.6	i	o.6	i
24	scanningFilter	{summ-att 24}	—	13C/c5	i	o.6	i	o.6	i
25	beginTimeOffset	{summ-att 4}	—	13C/c5	i	o.6	i	o.6	i
26	endTimeOffset	{summ-att 7}	—	13C/c5	i	o.6	i	o.6	i
27	timeAttributeIdentifier	{summ-att 28}	—	13C/c5	i	o.6	i	o.6	i
28	objectList	{summ-att 12}	—	13C/c5	i	o.6	i	o.6	i
29	numericAttributeIdArray	{summ-att 10}	—	13C/c6	i	o.6	i	o.6	i
30	numericAttributeIdList	{summ-att 11}	—	13C/c7	i	o.6	i	o.6	i
31	configurablePCT	{moa-att 0}	—	13C/c8	i	o.6	i	o.6	i

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Table D.10 (continued) – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Base Std.	AOM25 34 Profile	Base Std.	AOM25 34 Profile	Base Std.	AOM25 34 Profile
32	logRecordId	{dmi-att 3}	—	-	-	o.6	i	-	-
33	loggingTime	{dmi-att 59}	—	-	-	o.6	i	-	-
34	managedObjectClass	{dmi-att 60}	—	-	-	o.6	i	-	-
35	managedObjectInstance	{dmi-att 61}	—	-	-	o.6	i	-	-
36	eventType	{dmi-att 14}	—	-	-	o.6	i	-	-
37	eventTime	{dmi-att 13}	—	-	-	o.6	i	-	-
38	notificationIdentifier	{dmi-att 16}	—	-	-	o.6	i	-	-
39	correlatedNotifications	{dmi-att 12}	—	-	-	o.6	i	-	-
40	additionalText	{dmi-att 7}	—	-	-	o.6	i	-	-
41	additionalInformation	{dmi-att 6}	—	-	-	o.6	i	-	-
42	granularityPeriod	{moa-att 23}	—	-	-	o.6	i	-	-
43	bufferedObservationList	{summ-att 6}	—	-	-	o.6	i	-	-
44	firstScanInitiationTime	{summ-att 8}	—	-	-	o.6	i	-	-
45	suspectIntervals	{summ-att 27}	—	-	-	o.6	i	-	-
46	incompleteScan	{summ-att 30}	—	-	-	o.6	i	-	-
47	observationScanList	{summ-att 15}	—	-	-	o.6	i	-	-
48	scanInitiationTime	{summ-att 22}	—	-	-	o.6	i	-	-
49	onceReportAttributeList	{summ-att 17}	—	-	-	o.6	i	-	-
50	algorithmOutputs	{summ-att 1}	—	-	-	o.6	i	-	-
51	observationReportList	{summ-att 14}	—	-	-	o.6	i	-	-
52	algorithmParameters	{summ-att 2}	—	-	-	o.6	i	-	-

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Table D.10 (continued) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 34 Profile	Base Std.	AOM25 34 Profile	Base Std.	AOM25 34 Profile	Additional information
1	-	-	-	-	-	-	
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	
7	-	-	-	-	-	-	
8	-	-	-	-	-	-	
9	-	-	-	-	-	-	
10	-	-	-	-	-	-	
11	o.6	m	o.6	m	o.6	m	
12	-	-	-	-	o.6	m	
13	o.6	o	o.6	o	o.6	o	
14	o.6	m	o.6	m	o.6	m	
15	-	-	-	-	-	-	
16	o.6	o	o.6	o	-	-	
17	o.6	m	o.6	m	-	-	
18	-	-	-	-	-	-	
19	-	-	-	-	o.6	m	
20	o.6	i	o.6	i	-	-	
21	-	-	-	-	-	-	
22	-	-	-	-	-	-	
23	-	-	-	-	-	-	
24	-	-	-	-	o.6	i	
25	-	-	-	-	-	-	
26	-	-	-	-	-	-	
27	-	-	-	-	-	-	
28	o.6	i	o.6	i	-	-	
29	-	-	-	-	-	-	
30	o.6	i	o.6	i	-	-	

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Table D.10 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 34 Profile	Base Std.	AOM25 34 Profile	Base Std.	AOM25 34 Profile	Additional information
31	-	-	-	-	-	-	
32	-	-	-	-	-	-	
33	-	-	-	-	-	-	
34	-	-	-	-	-	-	
35	-	-	-	-	-	-	
36	-	-	-	-	-	-	
37	-	-	-	-	-	-	
38	-	-	-	-	-	-	
39	-	-	-	-	-	-	
40	-	-	-	-	-	-	
41	-	-	-	-	-	-	
42	-	-	-	-	-	-	
43	-	-	-	-	-	-	
44	-	-	-	-	-	-	
45	-	-	-	-	-	-	
46	-	-	-	-	-	-	
47	-	-	-	-	-	-	
48	-	-	-	-	-	-	
49	-	-	-	-	-	-	
50	-	-	-	-	-	-	
51	-	-	-	-	-	-	
52	-	-	-	-	-	-	

D.2.2 Create and delete management operations

The support of create and delete management operations in the manager role for AOM2534 are indicated in Table D.11.

D.2.2.1 Heterogeneous scanner managed object class

This table is based on Table C.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table D.11 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 34 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

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D.2.3 Notifications

The support of notifications in the manager role for AOM2534 are indicated in Table D.12.

This table is based on Table C.11 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table D.12 -Notification support

					AOM2534 Profile		
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std.	Con-firmed	Non-con-firmed	Additional information
1	bufferedScanReport	{summ-not 1}	—	13C/c13	i	i	
2	scanReport	{summ-not 2}	—	13C/c14	m	m	
3	statisticalReport	{summ-not 3}	—	13C/c15	i	i	

The detailed profile requirement lists for scanReport are as specified in Table A.20. For this reason the table is not repeated here.

D.2.4 Actions

The support of actions in the manager role for AOM2534 are indicated in Table D.13.

This table is based on Table C.12 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table D.13 -Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Base Std.	AOM2534 Profile	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		13C/c16	i	
			1.2	Reply		13C/c16	i	
2	activateScanReport	{summ-act 2}	2.1	Information	No information syntax	13C/c17	m	No support table required
			2.2	Reply		13C/c17	m	
3	activateStatisticalReport	{summ-act 3}	3.1	Information	No information syntax	13C/c18	i	No support table required
			3.2	Reply		13C/c18	i	
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	13C/c19	i	No support table required
			4.2	Reply		13C/c19	i	

The detailed profile requirement lists for activateScanReport action are as specified in Table A.21. For this reason the table is not repeated here.

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D.2.5 Parameters

The support of parameters in the manager role for AOM2534 are indicated in Table D.14.

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

Table D.14 - Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Base Std.	AOM2534 Profile	Additional information
1	scanActionError	{summ-prm 1}	—	13C/c20	m	
2	conflictingPackagesRequestedError	{summ-prm 2}	—	13C/c21	m	

D.3 CMIP PDU requirements

An implementation conforming to AOM2534 shall support the CMIP PDUs associated with following CMIS services. The list of CMIP PDUs associated with each service are specified in ISO/IEC ISP 11183-2.

Table D.15 – CMIP PDU Requirements

Index	CMISE Service Primitive	ISP 11183-2 Table Reference		Changes from profile columns in 11183-2 tables
		Manager	Agent	
1	M-ACTION	Table A.15	Table A.16	none
2	M-CANCEL-GET	Table A.17	Table A.18	none
3	M-CREATE	Table A.19	Table A.20	none
4	M-DELETE	Table A.21	Table A.22	none
5	M-EVENT-REPORT	Table A.24	Table A.23	none
6	M-GET	Table A.25	Table A.26	none
7	M-SET	Table A.27	Table A.28	none

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Annex E

(normative)

Buffered Scanner Object Profile

Profile Requirements List (profile RL) for AOM2535

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.
AOM2535 Profile:	AOM2535 profile requirements defined for this item.

The notation used in this annex is identified in clause 5 of this part of ISO/IEC ISP 12060. The parameter names are those which are specified in ITU-T Rec. X.738 | ISO/IEC 10164-13.

E.1 Management conformance summary

The support of roles are indicated in Table E.1.

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

Table E.1 – Roles

Index	Roles supported	Base Std.	AOM2535 Profile	Additional information
1	Manager role support	o.1	o.2	
2	Agent role support	o.1	o.2	

The support of systems management functional units are indicated in Table E.2.

This table is based on Table B.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table E.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Base Std.	AOM2535 Profile	Base Std.	AOM2535 Profile	
1	Scan stimulation functional unit	13B/c1	c1	13B/c2	c2	
2	Summarization event reporting functional unit	13B/c1	c1	13B/c2	c2	

c1 : if B.1/1a [ISO/IEC 10164-13] then m else i

c2 : if B.1/2a [ISO/IEC 10164-13] then m else i

The support of management information in the manager role for AOM2535 are indicated in Table E.3.

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

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Table E.3 – Manager role minimum conformance requirement

Index	Item	Base Std.	AOM2535 Profile	Additional information
1	Operations on managed objects	13B/c3	m	
2	Buffered scan report notification	13B/c4	m	
3	Scan report notification	13B/c4	i	
4	Statistical report notification	13B/c4	i	
5	Activate dynamic simple scan report action	13B/c5	i	
6	Activate scan report action	13B/c5	i	
7	Activate statistical report action	13B/c5	i	
8	Report buffer action	13B/c5	m	
9	Object creation notification from at least one summarization managed objects	13B/c3	m	
10	Object deletion notification from at least one summarization managed objects	13B/c3	m	
11	Attribute value change notification from at least summarization managed objects	13B/c3	m	
12	State change notification from at least one summarization managed objects	13B/c3	m	

The support of management information in the agent role for AOM2535 are indicated in Table E.4.

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

Table E.4 – Agent role minimum conformance requirement

Index	Item	Base Std.	AOM2535 Profile	Additional information
1	Heterogeneous scanner managed object	13B/c6	i	
2	Buffered scanner managed object	13B/c6	m	
3	Simple scanner managed object	13B/c6	i	
4	Mean scanner managed object	13B/c6	i	
5	Mean variance scanner managed object	13B/c6	i	
6	Min max scanner managed object	13B/c6	i	
7	Percentile scanner managed object	13B/c6	i	
8	Dynamic simple scanner managed object	13B/c6	i	

The support of logging of event records for AOM2535 is indicated in Table E.5.

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

Table E.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	13B/c7	13B/c7	

The following tables identifies part of the information that the supplier of the implementation shall provide in the final management conformance summary . The supplier shall indicate claims of conformance to the following standards.

NOTE – In tables E.6, E.7, E.8 and E.9, the "Base Std." column and the "Profile" 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 "Base Std." or "Profile" column.

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

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Table E.6 – PICS support summary

Index	Identification of the document that includes the PICS proforma	Table numbers of PICS proforma	Description	Constraints and values	Base Std.	AOM2535 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC, 10164-1	Annex E all tables	SM application Context	–	o	m	specified in ISO/IEC ISP 12059-1
2	ISO/IEC 9596-2	all tables	CMIP	–	o	m	specified in ISO/IEC ISP 11183-2
3	ISO/IEC 8650-2	all tables	ACSE	–	o	m	specified in ISO/IEC ISP 11183-1
4	ISO/IEC 8823-2	all tables	Presentation	–	o	m	specified in ISO/IEC ISP 11183-1
5	ISO/IEC 8327-2	all tables	Session	–	o	m	specified in ISO/IEC ISP 11183-1

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

Table E.7 — MOCS support summary

Index	Identification of the document including the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Base Std.	AOM2535 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC 10164-1	Annex C all tables	objectCreation, objectDeletion and attribute valueChange records	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-1
2	CCITT Rec. X.731 | ISO/IEC 10164-2	Annex C all tables	stateChange Record	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-2
3	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex D all tables	heterogeneousScanner	-	13B/c9	i	specified in ISO/IEC ISP 12059-13, Annex A
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex E all tables	bufferedScanner	-	13B/c10	m	specified in ISO/IEC ISP 12059-13, Annex B
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex F all tables	simpleScanner	-	13B/c11	i	specified in ISO/IEC ISP 12059-13, Annex C
6	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex G all tables	meanScanner	-	13B/c12	i	specified in ISO/IEC ISP 12059-13, Annex D
7	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex H all tables	meanVarianceScanner	-	13B/c13	i	specified in ISO/IEC ISP 12059-13, Annex E
8	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex I all tables	minMaxScanner	-	13B/c14	i	specified in ISO/IEC ISP 12059-13, Annex F
9	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex J all tables	percentileScanner	-	13B/c15	i	specified in ISO/IEC ISP 12059-13, Annex G
10	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex K all tables	dynamicSimpleScanner	-	13B/c16	i	specified in ISO/IEC ISP 12059-13, Annex H
11	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex L all tables	bufferedScanReportRecord	-	13B/c17	13B/c17	specified in ISO/IEC ISP 12059-13, Annex I
12	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex M all tables	scanReportRecord	-	13B/c18	i	specified in ISO/IEC ISP 12059-13, Annex J
13	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex N all tables	statisticalReportRecord	-	13B/c19	i	specified in ISO/IEC ISP 12059-13, Annex K

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This table is based on Table B.8 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table E.8 – MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Base Std.	AOM2535 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/1	confilictingPackagesScanner-system	-	13B/c20	m	specified in ISO/IEC ISP 12059-13, Annex L
2	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/2	dynamicSimpleScanner-system	-	13B/c21	i	specified in ISO/IEC ISP 12059-13, Annex L
3	CCITT Rec. X.735 | ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	-	13B/c22	13B/c22	specified in ISO/IEC ISP 12060-5

This table is based on Table E.9 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table E.9 – MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Base Std.	AOM2535 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.1 to C.10	management operations	—	13B/c23	m	specified in E.2
2	ITU-T Rec. X.730 | ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	—	13B/c24	m	specified in ISO/IEC ISP 12059-1
3	ITU-T Rec. X.731 | ISO/IEC 10164-2	Table B.1	stateChange notification	—	13B/c25	m	specified in ISO/IEC ISP 12059-2
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	—	13B/c26	m	specified in E.2
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.12	actions	—	13B/c27	m	specified in E.2

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E.2 Management information support

E.2.1 Attributes

The support of attributes in the manager role for AOM2535 are indicated in Table E.10.

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

Table E.10 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM2535 Profile	Base Std.	AOM2535 Profile	Base Std.	AOM2535 Profile
1	objectClass	{dmi-att 65}	—	13C/c1	m	o.6	m	-	-
2	nameBinding	{dmi-att 63}	—	13C/c1	o	o.6	m	-	-
3	packages	{dmi-att 66}	—	13C/c1	m	o.6	m	-	-
4	allomorphs	{dmi-att 50}	—	13C/c1	i	o.6	i	-	-
5	scannerId	{moa-att 25}	—	13C/c1	o	o.6	m	-	-
6	granularityPeriod	{moa-att 23}	—	13C/c1	m	o.6	m	o.6	m
7	administrativeState	{dmi-att 31}	—	13C/c1	m	o.6	m	o.6	m
8	operationalState	{dmi-att 35}		-	-	o.6	m	-	-
9	availabilityStatus	{dmi-att 33}	off-duty required	-	-	o.6	m	-	-
10	periodSynchronizationTime	{moa-att 24}	—	13C/c2	m	o.6	m	o.6	m
11	startTime	{dmi-att 68}	—	13C/c2	m	o.6	m	o.6	m
12	stopTime	{dmi-att 69}	DMI default	13C/c2	m	o.6	m	o.6	m
13	intervalsOfDay	{dmi-att 57}	DMI default	13C/c2	o	o.6	o	o.6	o
14	weekMask	{dmi-att 71}	DMI default	13C/c2	m	o.6	m	o.6	m
15	schedulerName	{dmi-att 67}	—	13C/c2	o	o.6	o	-	-
16	observationIdList	{summ-att 13}	—	13C/c2	i	o.6	i	o.6	i
17	onceReportAttributeIdList	{summ-att 16}	—	13C/c3	i	o.6	i	o.6	i
18	suppressObjectInstance	{summ-att 26}	—	13C/c2	m	o.6	m	o.6	m
19	timeStampReportMode	{summ-att 29}	timeStampingOff default	13C/c2	m	o.6	m	o.6	m
20	bufferedObservationIdList	{summ-att 5}	—	13C/c4	m	o.6	m	o.6	m
21	reportPeriod	{summ-att 19}	—	13C/c4	m	o.6	m	o.6	m
22	baseManagedObject	{summ-att 3}	—	13C/c5	i	o.6	i	o.6	i
23	scope	{summ-att 25}	—	13C/c5	i	o.6	i	o.6	i
24	scanningFilter	{summ-att 24}	—	13C/c5	i	o.6	i	o.6	i
25	beginTimeOffset	{summ-att 4}	—	13C/c5	i	o.6	i	o.6	i
26	endTimeOffset	{summ-att 7}	—	13C/c5	i	o.6	i	o.6	i
27	timeAttributeIdentifier	{summ-att 28}	—	13C/c5	i	o.6	i	o.6	i
28	objectList	{summ-att 12}	—	13C/c5	i	o.6	i	o.6	i
29	numericAttributeIdArray	{summ-att 10}	—	13C/c6	i	o.6	i	o.6	i
30	numericAttributeIdList	{summ-att 11}	—	13C/c7	i	o.6	i	o.6	i
31	configurablePCT	{moa-att 0}	—	13C/c8	i	o.6	i	o.6	i

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Table E.10 (continued) – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM25 35 Profile	Base Std.	AOM25 35 Profile	Base Std.	AOM25 35 Profile
32	logRecordId	{dmi-att 3}	—	-	-	o.6	i	-	-
33	loggingTime	{dmi-att 59}	—	-	-	o.6	i	-	-
34	managedObjectClass	{dmi-att 60}	—	-	-	o.6	i	-	-
35	managedObjectInstance	{dmi-att 61}	—	-	-	o.6	i	-	-
36	eventType	{dmi-att 14}	—	-	-	o.6	i	-	-
37	eventTime	{dmi-att 13}	—	-	-	o.6	i	-	-
38	notificationIdentifier	{dmi-att 16}	—	-	-	o.6	i	-	-
39	correlatedNotifications	{dmi-att 12}	—	-	-	o.6	i	-	-
40	additionalText	{dmi-att 7}	—	-	-	o.6	i	-	-
41	additionalInformation	{dmi-att 6}	—	-	-	o.6	i	-	-
42	granularityPeriod	{moa-att 23}	—	-	-	o.6	i	-	-
43	bufferedObservationList	{summ-att 6}	—	-	-	o.6	i	-	-
44	firstScanInitiationTime	{summ-att 8}	—	-	-	o.6	i	-	-
45	suspectIntervals	{summ-att 27}	—	-	-	o.6	i	-	-
46	incompleteScan	{summ-att 30}	—	-	-	o.6	i	-	-
47	observationScanList	{summ-att 15}	—	-	-	o.6	i	-	-
48	scanInitiationTime	{summ-att 22}	—	-	-	o.6	i	-	-
49	onceReportAttributeList	{summ-att 17}	—	-	-	o.6	i	-	-
50	algorithmOutputs	{summ-att 1}	—	-	-	o.6	i	-	-
51	observationReportList	{summ-att 14}	—	-	-	o.6	i	-	-
52	algorithmParameters	{summ-att 2}	—	-	-	o.6	i	-	-

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Table E.10 (continued) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 35 Profile	Base Std.	AOM25 35 Profile	Base Std.	AOM25 35 Profile	Additional information
1	-	-	-	-	-	-	
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	
7	-	-	-	-	-	-	
8	-	-	-	-	-	-	
9	-	-	-	-	-	-	
10	-	-	-	-	-	-	
11	o.6	m	o.6	m	o.6	m	
12	-	-	-	-	o.6	m	
13	o.6	o	o.6	o	o.6	o	
14	o.6	m	o.6	m	o.6	m	
15	-	-	-	-	-	-	
16	o.6	i	o.6	i	-	-	
17	o.6	i	o.6	i	-	-	
18	-	-	-	-	-	-	
19	-	-	-	-	o.6	m	
20	o.6	m	o.6	m	-	-	
21	-	-	-	-	-	-	
22	-	-	-	-	-	-	
23	-	-	-	-	-	-	
24	-	-	-	-	o.6	i	
25	-	-	-	-	-	-	
26	-	-	-	-	-	-	
27	-	-	-	-	-	-	
28	o.6	i	o.6	i	-	-	
29	-	-	-	-	-	-	
30	o.6	i	o.6	i	-	-	

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Table E.10 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 35 Profile	Base Std.	AOM25 35 Profile	Base Std.	AOM25 35 Profile	Additional information
31	-	-	-	-	-	-	
32	-	-	-	-	-	-	
33	-	-	-	-	-	-	
34	-	-	-	-	-	-	
35	-	-	-	-	-	-	
36	-	-	-	-	-	-	
37	-	-	-	-	-	-	
38	-	-	-	-	-	-	
39	-	-	-	-	-	-	
40	-	-	-	-	-	-	
41	-	-	-	-	-	-	
42	-	-	-	-	-	-	
43	-	-	-	-	-	-	
44	-	-	-	-	-	-	
45	-	-	-	-	-	-	
46	-	-	-	-	-	-	
47	-	-	-	-	-	-	
48	-	-	-	-	-	-	
49	-	-	-	-	-	-	
50	-	-	-	-	-	-	
51	-	-	-	-	-	-	
52	-	-	-	-	-	-	

E.2.2 Create and delete management operations

The support of create and delete management operations in the manager role for AOM2535 are indicated in Table E.11.

E.2.2.1 Buffered scanner managed object class

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

Table E.11 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 35 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

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E.2.3 Notifications

The support of notifications in the manager role for AOM2535 are indicated in Table E.12.

This table is based on Table C.11 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table E.12 -Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std.	AOM2535 Profile		Additional information
					Con-firmed	Non-con-firmed	
1	bufferedScanReport	{summ-not 1}	—	13C/c13	m	m	
2	scanReport	{summ-not 2}	—	13C/c14	i	i	
3	statisticalReport	{summ-not 3}	—	13C/c15	i	i	

The detailed profile requirement lists for bufferedScanReport are as specified in Table A.20. For this reason the table is not repeated here.

E.2.4 Actions

The support of actions in the manager role for AOM2535 are indicated in Table E.13.

This table is based on Table C.12 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table E.13 -Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Base Std.	AOM2535 Profile	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		13C/c16	i	
			1.2	Reply		13C/c16	i	
2	activateScanReport	{summ-act 2}	2.1	Information	No information syntax	13C/c17	i	No support table required
			2.2	Reply		13C/c17	i	
3	activateStatisticalReport	{summ-act 3}	3.1	Information	No information syntax	13C/c18	i	No support table required
			3.2	Reply		13C/c18	i	
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	13C/c19	m	No support table required
			4.2	Reply		13C/c19	m	

The detailed profile requirement lists for activateScanReport action are as specified in Table A.21. For this reason the table is not repeated here.

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E.2.5 Parameters

The support of parameters in the manager role for AOM2535 are indicated in Table E.14.

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

Table E.14 - Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Base Std.	AOM2535 Profile	Additional information
1	scanActionError	{summ-prm 1}	—	13C/c20	m	
2	conflictingPackagesRequestedError	{summ-prm 2}	—	13C/c21	m	

E.3 CMIP PDU requirements

An implementation conforming to AOM2535 shall support the CMIP PDUs associated with following CMIS services. The list of CMIP PDUs associated with each service are specified in ISO/IEC ISP 11183-2.

Table E.15 – CMIP PDU Requirements

Index	CMISE Service Primitive	ISP 11183-2 Table Reference		Changes from profile columns in 11183-2 tables
		Manager	Agent	
1	M-ACTION	Table A.15	Table A.16	none
2	M-CANCEL-GET	Table A.17	Table A.18	none
3	M-CREATE	Table A.19	Table A.20	none
4	M-DELETE	Table A.21	Table A.22	none
5	M-EVENT-REPORT	Table A.24	Table A.23	none
6	M-GET	Table A.25	Table A.26	none
7	M-SET	Table A.27	Table A.28	none

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Annex F

(normative)

Mean Scanner Object Profile

Profile Requirements List (profile RL) for AOM2536

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.
AOM2536 Profile:	AOM2536 profile requirements defined for this item.

The notation used in this annex is identified in clause 5 of this part of ISO/IEC ISP 12060. The parameter names are those which are specified in ITU-T Rec. X.738 | ISO/IEC 10164-13.

F.1 Management conformance summary

The support of roles are indicated in Table F.1.

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

Table F.1 – Roles

Index	Roles supported	Base Std.	AOM2536 Profile	Additional information
1	Manager role support	o.1	o.2	
2	Agent role support	o.1	o.2	

The support of systems management functional units are indicated in Table F.2.

This table is based on Table B.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table F.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Base Std.	AOM2536 Profile	Base Std.	AOM2536 Profile	
1	Scan stimulation functional unit	13B/c1	c1	13B/c2	c2	
2	Summarization event reporting functional unit	13B/c1	c1	13B/c2	c2	

c1 : if B.1/1a [ISO/IEC 10164-13] then m else i

c2 : if B.1/2a [ISO/IEC 10164-13] then m else i

The support of management information in the manager role for AOM2536 are indicated in Table F.3.

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

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Table F.3 – Manager role minimum conformance requirement

Index	Item	Base Std.	AOM2536 Profile	Additional information
1	Operations on managed objects	13B/c3	m	
2	Buffered scan report notification	13B/c4	i	
3	Scan report notification	13B/c4	i	
4	Statistical report notification	13B/c4	m	
5	Activate dynamic simple scan report action	13B/c5	i	
6	Activate scan report action	13B/c5	i	
7	Activate statistical report action	13B/c5	m	
8	Report buffer action	13B/c5	i	
9	Object creation notification from at least one summarization managed objects	13B/c3	m	
10	Object deletion notification from at least one summarization managed objects	13B/c3	m	
11	Attribute value change notification from at least summarization managed objects	13B/c3	m	
12	State change notification from at least one summarization managed objects	13B/c3	m	

The support of management information in the agent role for AOM2536 are indicated in Table F.4.

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

Table F.4 – Agent role minimum conformance requirement

Index	Item	Base Std.	AOM2536 Profile	Additional information
1	Heterogeneous scanner managed object	13B/c6	i	
2	Buffered scanner managed object	13B/c6	i	
3	Simple scanner managed object	13B/c6	i	
4	Mean scanner managed object	13B/c6	m	
5	Mean variance scanner managed object	13B/c6	i	
6	Min max scanner managed object	13B/c6	i	
7	Percentile scanner managed object	13B/c6	i	
8	Dynamic simple scanner managed object	13B/c6	i	

The support of logging of event records for AOM2536 is indicated in Table F.5.

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

Table F.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	13B/c7	13B/c7	

The following tables identifies part of the information that the supplier of the implementation shall provide in the final management conformance summary . The supplier shall indicate claims of conformance to the following standards.

NOTE – In tables F.6, F.7, F.8 and F.9, the "Base Std." column and the "Profile" 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 "Base Std." or "Profile" column.

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

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Table F.6 – PICS support summary

Index	Identification of the document that includes the PICS proforma	Table numbers of PICS proforma	Description	Constraints and values	Base Std.	AOM2536 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC, 10164-1	Annex E all tables	SM application Context	–	o	m	specified in ISO/IEC ISP 12059-1
2	ISO/IEC 9596-2	all tables	CMIP	–	o	m	specified in ISO/IEC ISP 11183-2
3	ISO/IEC 8650-2	all tables	ACSE	–	o	m	specified in ISO/IEC ISP 11183-1
4	ISO/IEC 8823-2	all tables	Presentation	–	o	m	specified in ISO/IEC ISP 11183-1
5	ISO/IEC 8327-2	all tables	Session	–	o	m	specified in ISO/IEC ISP 11183-1

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

Table F.7 — MOCS support summary

Index	Identification of the document including the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Base Std.	AOM2536 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC 10164-1	Annex C all tables	objectCreation, objectDeletion and attribute valueChange records	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-1
2	CCITT Rec. X.731 | ISO/IEC 10164-2	Annex C all tables	stateChange Record	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-2
3	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex D all tables	heterogeneousScanner	-	13B/c9	i	specified in ISO/IEC ISP 12059-13, Annex A
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex E all tables	bufferedScanner	-	13B/c10	i	specified in ISO/IEC ISP 12059-13, Annex B
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex F all tables	simpleScanner	-	13B/c11	i	specified in ISO/IEC ISP 12059-13, Annex C
6	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex G all tables	meanScanner	-	13B/c12	m	specified in ISO/IEC ISP 12059-13, Annex D
7	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex H all tables	meanVarianceScanner	-	13B/c13	i	specified in ISO/IEC ISP 12059-13, Annex E
8	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex I all tables	minMaxScanner	-	13B/c14	i	specified in ISO/IEC ISP 12059-13, Annex F
9	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex J all tables	percentileScanner	-	13B/c15	i	specified in ISO/IEC ISP 12059-13, Annex G
10	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex K all tables	dynamicSimpleScanner	-	13B/c16	i	specified in ISO/IEC ISP 12059-13, Annex H
11	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex L all tables	bufferedScanReportRecord	-	13B/c17	i	specified in ISO/IEC ISP 12059-13, Annex I
12	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex M all tables	scanReportRecord	-	13B/c18	i	specified in ISO/IEC ISP 12059-13, Annex J
13	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex N all tables	statisticalReportRecord	-	13B/c19	13B/c19	specified in ISO/IEC ISP 12059-13, Annex K

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This table is based on Table B.8 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table F.8 – MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Base Std.	AOM2536 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/1	confilictingPackagesScanner-system	-	13B/c20	m	specified in ISO/IEC ISP 12059-13, Annex L
2	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/2	dynamicSimpleScanner-system	-	13B/c21	i	specified in ISO/IEC ISP 12059-13, Annex L
3	CCITT Rec. X.735 | ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	-	13B/c22	13B/c22	specified in ISO/IEC ISP 12060-5

This table is based on Table F.9 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table F.9 – MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Base Std.	AOM2536 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.1 to C.10	management operations	—	13B/c23	m	specified in F.2
2	ITU-T Rec. X.730 | ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	—	13B/c24	m	specified in ISO/IEC ISP 12059-1
3	ITU-T Rec. X.731 | ISO/IEC 10164-2	Table B.1	stateChange notification	—	13B/c25	m	specified in ISO/IEC ISP 12059-2
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	—	13B/c26	m	specified in F.2
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.12	actions	—	13B/c27	m	specified in F.2

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F.2 Management information support

F.2.1 Attributes

The support of attributes in the manager role for AOM2536 are indicated in Table F.10.

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

Table F.10 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM2536 Profile	Base Std.	AOM2536 Profile	Base Std.	AOM2536 Profile
1	objectClass	{dmi-att 65}	—	13C/c1	m	o.6	m	-	-
2	nameBinding	{dmi-att 63}	—	13C/c1	o	o.6	m	-	-
3	packages	{dmi-att 66}	—	13C/c1	m	o.6	m	-	-
4	allomorphs	{dmi-att 50}	—	13C/c1	i	o.6	i	-	-
5	scannerId	{moa-att 25}	—	13C/c1	o	o.6	m	-	-
6	granularityPeriod	{moa-att 23}	—	13C/c1	m	o.6	m	o.6	m
7	administrativeState	{dmi-att 31}	—	13C/c1	m	o.6	m	o.6	m
8	operationalState	{dmi-att 35}		-	-	o.6	m	-	-
9	availabilityStatus	{dmi-att 33}	off-duty required	-	-	o.6	m	-	-
10	periodSynchronizationTime	{moa-att 24}	—	13C/c2	m	o.6	m	o.6	m
11	startTime	{dmi-att 68}	—	13C/c2	m	o.6	m	o.6	m
12	stopTime	{dmi-att 69}	DMI default	13C/c2	m	o.6	m	o.6	m
13	intervalsOfDay	{dmi-att 57}	DMI default	13C/c2	o	o.6	o	o.6	o
14	weekMask	{dmi-att 71}	DMI default	13C/c2	m	o.6	m	o.6	m
15	schedulerName	{dmi-att 67}	—	13C/c2	o	o.6	o	-	-
16	observationIdList	{summ-att 13}	—	13C/c2	i	o.6	i	o.6	i
17	onceReportAttributeIdList	{summ-att 16}	—	13C/c3	i	o.6	i	o.6	i
18	suppressObjectInstance	{summ-att 26}	—	13C/c2	m	o.6	m	o.6	m
19	timeStampReportMode	{summ-att 29}	timeStampingOff default	13C/c2	m	o.6	m	o.6	m
20	bufferedObservationIdList	{summ-att 5}	—	13C/c4	i	o.6	i	o.6	i
21	reportPeriod	{summ-att 19}	—	13C/c4	i	o.6	i	o.6	i
22	baseManagedObject	{summ-att 3}	—	13C/c5	m	o.6	m	o.6	m
23	scope	{summ-att 25}	—	13C/c5	m	o.6	m	o.6	m
24	scanningFilter	{summ-att 24}	—	13C/c5	m	o.6	m	o.6	m
25	beginTimeOffset	{summ-att 4}	—	13C/c5	m	o.6	m	o.6	m
26	endTimeOffset	{summ-att 7}	—	13C/c5	m	o.6	m	o.6	m
27	timeAttributeIdentifier	{summ-att 28}	—	13C/c5	m	o.6	m	o.6	m
28	objectList	{summ-att 12}	—	13C/c5	m	o.6	m	o.6	m
29	numericAttributeIdArray	{summ-att 10}	—	13C/c6	i	o.6	i	o.6	i
30	numericAttributeIdList	{summ-att 11}	—	13C/c7	m	o.6	m	o.6	m
31	configurablePCT	{moa-att 0}	—	13C/c8	i	o.6	i	o.6	i

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Table F.10 (continued) – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Base Std.	AOM25 36 Profile	Base Std.	AOM25 36 Profile	Base Std.	AOM25 36 Profile
32	logRecordId	{dmi-att 3}	—	-	-	o.6	i	-	-
33	loggingTime	{dmi-att 59}	—	-	-	o.6	i	-	-
34	managedObjectClass	{dmi-att 60}	—	-	-	o.6	i	-	-
35	managedObjectInstance	{dmi-att 61}	—	-	-	o.6	i	-	-
36	eventType	{dmi-att 14}	—	-	-	o.6	i	-	-
37	eventTime	{dmi-att 13}	—	-	-	o.6	i	-	-
38	notificationIdentifier	{dmi-att 16}	—	-	-	o.6	i	-	-
39	correlatedNotifications	{dmi-att 12}	—	-	-	o.6	i	-	-
40	additionalText	{dmi-att 7}	—	-	-	o.6	i	-	-
41	additionalInformation	{dmi-att 6}	—	-	-	o.6	i	-	-
42	granularityPeriod	{moa-att 23}	—	-	-	o.6	i	-	-
43	bufferedObservationList	{summ-att 6}	—	-	-	o.6	i	-	-
44	firstScanInitiationTime	{summ-att 8}	—	-	-	o.6	i	-	-
45	suspectIntervals	{summ-att 27}	—	-	-	o.6	i	-	-
46	incompleteScan	{summ-att 30}	—	-	-	o.6	i	-	-
47	observationScanList	{summ-att 15}	—	-	-	o.6	i	-	-
48	scanInitiationTime	{summ-att 22}	—	-	-	o.6	i	-	-
49	onceReportAttributeList	{summ-att 17}	—	-	-	o.6	i	-	-
50	algorithmOutputs	{summ-att 1}	—	-	-	o.6	i	-	-
51	observationReportList	{summ-att 14}	—	-	-	o.6	i	-	-
52	algorithmParameters	{summ-att 2}	—	-	-	o.6	i	-	-

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Table F.10 (continued) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 36 Profile	Base Std.	AOM25 36 Profile	Base Std.	AOM25 36 Profile	Additional information
1	-	-	-	-	-	-	
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	
7	-	-	-	-	-	-	
8	-	-	-	-	-	-	
9	-	-	-	-	-	-	
10	-	-	-	-	-	-	
11	o.6	m	o.6	m	o.6	m	
12	-	-	-	-	o.6	m	
13	o.6	o	o.6	o	o.6	o	
14	o.6	m	o.6	m	o.6	m	
15	-	-	-	-	-	-	
16	o.6	i	o.6	i	-	-	
17	o.6	i	o.6	i	-	-	
18	-	-	-	-	-	-	
19	-	-	-	-	o.6	m	
20	o.6	i	o.6	i	-	-	
21	-	-	-	-	-	-	
22	-	-	-	-	-	-	
23	-	-	-	-	-	-	
24	-	-	-	-	o.6	m	
25	-	-	-	-	-	-	
26	-	-	-	-	-	-	
27	-	-	-	-	-	-	
28	o.6	m	o.6	m	-	-	
29	-	-	-	-	-	-	
30	o.6	m	o.6	m	-	-	

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Table F.10 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 36 Profile	Base Std.	AOM25 36 Profile	Base Std.	AOM25 36 Profile	Additional information
31	-	-	-	-	-	-	
32	-	-	-	-	-	-	
33	-	-	-	-	-	-	
34	-	-	-	-	-	-	
35	-	-	-	-	-	-	
36	-	-	-	-	-	-	
37	-	-	-	-	-	-	
38	-	-	-	-	-	-	
39	-	-	-	-	-	-	
40	-	-	-	-	-	-	
41	-	-	-	-	-	-	
42	-	-	-	-	-	-	
43	-	-	-	-	-	-	
44	-	-	-	-	-	-	
45	-	-	-	-	-	-	
46	-	-	-	-	-	-	
47	-	-	-	-	-	-	
48	-	-	-	-	-	-	
49	-	-	-	-	-	-	
50	-	-	-	-	-	-	
51	-	-	-	-	-	-	
52	-	-	-	-	-	-	

F.2.2 Create and delete management operations

The support of create and delete management operations in the manager role for AOM2536 are indicated in Table F.11.

F.2.2.1 Mean scanner managed object class

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

Table F.11 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 36 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

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F.2.3 Notifications

The support of notifications in the manager role for AOM2536 are indicated in Table F.12.

This table is based on Table C.11 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table F.12 -Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std.	AOM2536 Profile Con-firmed	AOM2536 Profile Non-con-firmed	Additional information
1	bufferedScanReport	{summ-not 1}	—	13C/c13	i	i	
2	scanReport	{summ-not 2}	—	13C/c14	i	i	
3	statisticalReport	{summ-not 3}	—	13C/c15	m	m	

The detailed profile requirement lists for statisticalReport are as specified in Table A.20. For this reason the table is not repeated here.

F.2.4 Actions

The support of actions in the manager role for AOM2536 are indicated in Table F.13.

This table is based on Table C.12 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table F.13 -Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Base Std.	AOM2536 Profile	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		13C/c16	i	
			1.2	Reply		13C/c16	i	
2	activateScanReport	{summ-act 2}	2.1	Information	No information syntax	13C/c17	i	No support table required
			2.2	Reply		13C/c17	i	
3	activateStatisticalReport	{summ-act 3}	3.1	Information	No information syntax	13C/c18	m	No support table required
			3.2	Reply		13C/c18	m	
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	13C/c19	i	No support table required
			4.2	Reply		13C/c19	i	

The detailed profile requirement lists for activateStatisticalReport action are as specified in Table A.21. For this reason the table is not repeated here.

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F.2.5 Parameters

The support of parameters in the manager role for AOM2536 are indicated in Table F.14.

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

Table F.14 - Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Base Std.	AOM2536 Profile	Additional information
1	scanActionError	{summ-prm 1}	—	13C/c20	m	
2	conflictingPackagesRequestedError	{summ-prm 2}	—	13C/c21	m	

F.3 CMIP PDU requirements

An implementation conforming to AOM2536 shall support the CMIP PDUs associated with following CMIS services. The list of CMIP PDUs associated with each service are specified in ISO/IEC ISP 11183-2.

Table F.15 – CMIP PDU Requirements

Index	CMISE Service Primitive	ISP 11183-2 Table Reference		Changes from profile columns in 11183-2 tables
		Manager	Agent	
1	M-ACTION	Table A.15	Table A.16	none
2	M-CANCEL-GET	Table A.17	Table A.18	none
3	M-CREATE	Table A.19	Table A.20	none
4	M-DELETE	Table A.21	Table A.22	none
5	M-EVENT-REPORT	Table A.24	Table A.23	none
6	M-GET	Table A.25	Table A.26	none
7	M-SET	Table A.27	Table A.28	none

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Annex G

(normative)

Mean Variance Scanner Object Profile

Profile Requirements List (profile RL) for AOM2537

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.
AOM2537 Profile:	AOM2537 profile requirements defined for this item.

The notation used in this annex is identified in clause 5 of this part of ISO/IEC ISP 12060. The parameter names are those which are specified in ITU-T Rec. X.738 | ISO/IEC 10164-13.

G.1 Management conformance summary

The support of roles are indicated in Table G.1.

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

Table G.1 – Roles

Index	Roles supported	Base Std.	AOM2537 Profile	Additional information
1	Manager role support	o.1	o.2	
2	Agent role support	o.1	o.2	

The support of systems management functional units are indicated in Table G.2.

This table is based on Table B.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table G.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Base Std.	AOM2537 Profile	Base Std.	AOM2537 Profile	
1	Scan stimulation functional unit	13B/c1	c1	13B/c2	c2	
2	Summarization event reporting functional unit	13B/c1	c1	13B/c2	c2	

c1 : if B.1/1a [ISO/IEC 10164-13] then m else i

c2 : if B.1/2a [ISO/IEC 10164-13] then m else i

The support of management information in the manager role for AOM2537 are indicated in Table G.3.

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

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Table G.3 – Manager role minimum conformance requirement

Index	Item	Base Std.	AOM2537 Profile	Additional information
1	Operations on managed objects	13B/c3	m	
2	Buffered scan report notification	13B/c4	i	
3	Scan report notification	13B/c4	i	
4	Statistical report notification	13B/c4	m	
5	Activate dynamic simple scan report action	13B/c5	i	
6	Activate scan report action	13B/c5	i	
7	Activate statistical report action	13B/c5	m	
8	Report buffer action	13B/c5	i	
9	Object creation notification from at least one summarization managed objects	13B/c3	m	
10	Object deletion notification from at least one summarization managed objects	13B/c3	m	
11	Attribute value change notification from at least summarization managed objects	13B/c3	m	
12	State change notification from at least one summarization managed objects	13B/c3	m	

The support of management information in the agent role for AOM2537 are indicated in Table G.4.

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

Table G.4 – Agent role minimum conformance requirement

Index	Item	Base Std.	AOM2537 Profile	Additional information
1	Heterogeneous scanner managed object	13B/c6	i	
2	Buffered scanner managed object	13B/c6	i	
3	Simple scanner managed object	13B/c6	i	
4	Mean scanner managed object	13B/c6	i	
5	Mean variance scanner managed object	13B/c6	m	
6	Min max scanner managed object	13B/c6	i	
7	Percentile scanner managed object	13B/c6	i	
8	Dynamic simple scanner managed object	13B/c6	i	

The support of logging of event records for AOM2537 is indicated in Table G.5.

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

Table G.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	13B/c7	13B/c7	

The following tables identifies part of the information that the supplier of the implementation shall provide in the final management conformance summary . The supplier shall indicate claims of conformance to the following standards.

NOTE – In tables G.6, G.7, G.8 and G.9, the "Base Std." column and the "Profile" 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 "Base Std." or "Profile" column.

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

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Table G.6 – PICS support summary

Index	Identification of the document that includes the PICS proforma	Table numbers of PICS proforma	Description	Constraints and values	Base Std.	AOM2537 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC, 10164-1	Annex E all tables	SM application Context	–	o	m	specified in ISO/IEC ISP 12059-1
2	ISO/IEC 9596-2	all tables	CMIP	–	o	m	specified in ISO/IEC ISP 11183-2
3	ISO/IEC 8650-2	all tables	ACSE	–	o	m	specified in ISO/IEC ISP 11183-1
4	ISO/IEC 8823-2	all tables	Presentation	–	o	m	specified in ISO/IEC ISP 11183-1
5	ISO/IEC 8327-2	all tables	Session	–	o	m	specified in ISO/IEC ISP 11183-1

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

Table G.7 — MOCS support summary

Index	Identification of the document including the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Base Std.	AOM2537 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC 10164-1	Annex C all tables	objectCreation, objectDeletion and attribute valueChange records	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-1
2	CCITT Rec. X.731 | ISO/IEC 10164-2	Annex C all tables	stateChange Record	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-2
3	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex D all tables	heterogeneousScanner	-	13B/c9	i	specified in ISO/IEC ISP 12059-13, Annex A
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex E all tables	bufferedScanner	-	13B/c10	i	specified in ISO/IEC ISP 12059-13, Annex B
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex F all tables	simpleScanner	-	13B/c11	i	specified in ISO/IEC ISP 12059-13, Annex C
6	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex G all tables	meanScanner	-	13B/c12	i	specified in ISO/IEC ISP 12059-13, Annex D
7	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex H all tables	meanVarianceScanner	-	13B/c13	m	specified in ISO/IEC ISP 12059-13, Annex E
8	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex I all tables	minMaxScanner	-	13B/c14	i	specified in ISO/IEC ISP 12059-13, Annex F
9	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex J all tables	percentileScanner	-	13B/c15	i	specified in ISO/IEC ISP 12059-13, Annex G
10	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex K all tables	dynamicSimpleScanner	-	13B/c16	i	specified in ISO/IEC ISP 12059-13, Annex H
11	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex L all tables	bufferedScanReportRecord	-	13B/c17	i	specified in ISO/IEC ISP 12059-13, Annex I
12	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex M all tables	scanReportRecord	-	13B/c18	i	specified in ISO/IEC ISP 12059-13, Annex J
13	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex N all tables	statisticalReportRecord	-	13B/c19	13B/c19	specified in ISO/IEC ISP 12059-13, Annex K

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This table is based on Table B.8 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table G.8 – MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Base Std.	AOM2537 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/1	confilictingPackagesScanner-system	-	13B/c20	m	specified in ISO/IEC ISP 12059-13, Annex L
2	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/2	dynamicSimpleScanner-system	-	13B/c21	i	specified in ISO/IEC ISP 12059-13, Annex L
3	CCITT Rec. X.735 | ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	-	13B/c22	13B/c22	specified in ISO/IEC ISP 12060-5

This table is based on Table G.9 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table G.9 – MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Base Std.	AOM2537 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.1 to C.10	management operations	—	13B/c23	m	specified in G.2
2	ITU-T Rec. X.730 | ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	—	13B/c24	m	specified in ISO/IEC ISP 12059-1
3	ITU-T Rec. X.731 | ISO/IEC 10164-2	Table B.1	stateChange notification	—	13B/c25	m	specified in ISO/IEC ISP 12059-2
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	—	13B/c26	m	specified in G.2
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.12	actions	—	13B/c27	m	specified in G.2

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G.2 Management information support

G.2.1 Attributes

The support of attributes in the manager role for AOM2537 are indicated in Table G.10.

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

Table G.10 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM2537 Profile	Base Std.	AOM2537 Profile	Base Std.	AOM2537 Profile
1	objectClass	{dmi-att 65}	—	13C/c1	m	o.6	m	-	-
2	nameBinding	{dmi-att 63}	—	13C/c1	o	o.6	m	-	-
3	packages	{dmi-att 66}	—	13C/c1	m	o.6	m	-	-
4	allomorphs	{dmi-att 50}	—	13C/c1	i	o.6	i	-	-
5	scannerId	{moa-att 25}	—	13C/c1	o	o.6	m	-	-
6	granularityPeriod	{moa-att 23}	—	13C/c1	m	o.6	m	o.6	m
7	administrativeState	{dmi-att 31}	—	13C/c1	m	o.6	m	o.6	m
8	operationalState	{dmi-att 35}		-	-	o.6	m	-	-
9	availabilityStatus	{dmi-att 33}	off-duty required	-	-	o.6	m	-	-
10	periodSynchronizationTime	{moa-att 24}	—	13C/c2	m	o.6	m	o.6	m
11	startTime	{dmi-att 68}	—	13C/c2	m	o.6	m	o.6	m
12	stopTime	{dmi-att 69}	DMI default	13C/c2	m	o.6	m	o.6	m
13	intervalsOfDay	{dmi-att 57}	DMI default	13C/c2	o	o.6	o	o.6	o
14	weekMask	{dmi-att 71}	DMI default	13C/c2	m	o.6	m	o.6	m
15	schedulerName	{dmi-att 67}	—	13C/c2	o	o.6	o	-	-
16	observationIdList	{summ-att 13}	—	13C/c2	i	o.6	i	o.6	i
17	onceReportAttributeIdList	{summ-att 16}	—	13C/c3	i	o.6	i	o.6	i
18	suppressObjectInstance	{summ-att 26}	—	13C/c2	m	o.6	m	o.6	m
19	timeStampReportMode	{summ-att 29}	timeStampingOff default	13C/c2	m	o.6	m	o.6	m
20	bufferedObservationIdList	{summ-att 5}	—	13C/c4	i	o.6	i	o.6	i
21	reportPeriod	{summ-att 19}	—	13C/c4	i	o.6	i	o.6	i
22	baseManagedObject	{summ-att 3}	—	13C/c5	m	o.6	m	o.6	m
23	scope	{summ-att 25}	—	13C/c5	m	o.6	m	o.6	m
24	scanningFilter	{summ-att 24}	—	13C/c5	m	o.6	m	o.6	m
25	beginTimeOffset	{summ-att 4}	—	13C/c5	m	o.6	m	o.6	m
26	endTimeOffset	{summ-att 7}	—	13C/c5	m	o.6	m	o.6	m
27	timeAttributeIdentifier	{summ-att 28}	—	13C/c5	m	o.6	m	o.6	m
28	objectList	{summ-att 12}	—	13C/c5	m	o.6	m	o.6	m
29	numericAttributeIdArray	{summ-att 10}	—	13C/c6	i	o.6	i	o.6	i
30	numericAttributeIdList	{summ-att 11}	—	13C/c7	m	o.6	m	o.6	m
31	configurablePCT	{moa-att 0}	—	13C/c8	i	o.6	i	o.6	i

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Table G.10 (continued) – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Base Std.	AOM25 37 Profile	Base Std.	AOM25 37 Profile	Base Std.	AOM25 37 Profile
32	logRecordId	{dmi-att 3}	—	-	-	o.6	i	-	-
33	loggingTime	{dmi-att 59}	—	-	-	o.6	i	-	-
34	managedObjectClass	{dmi-att 60}	—	-	-	o.6	i	-	-
35	managedObjectInstance	{dmi-att 61}	—	-	-	o.6	i	-	-
36	eventType	{dmi-att 14}	—	-	-	o.6	i	-	-
37	eventTime	{dmi-att 13}	—	-	-	o.6	i	-	-
38	notificationIdentifier	{dmi-att 16}	—	-	-	o.6	i	-	-
39	correlatedNotifications	{dmi-att 12}	—	-	-	o.6	i	-	-
40	additionalText	{dmi-att 7}	—	-	-	o.6	i	-	-
41	additionalInformation	{dmi-att 6}	—	-	-	o.6	i	-	-
42	granularityPeriod	{moa-att 23}	—	-	-	o.6	i	-	-
43	bufferedObservationList	{summ-att 6}	—	-	-	o.6	i	-	-
44	firstScanInitiationTime	{summ-att 8}	—	-	-	o.6	i	-	-
45	suspectIntervals	{summ-att 27}	—	-	-	o.6	i	-	-
46	incompleteScan	{summ-att 30}	—	-	-	o.6	i	-	-
47	observationScanList	{summ-att 15}	—	-	-	o.6	i	-	-
48	scanInitiationTime	{summ-att 22}	—	-	-	o.6	i	-	-
49	onceReportAttributeList	{summ-att 17}	—	-	-	o.6	i	-	-
50	algorithmOutputs	{summ-att 1}	—	-	-	o.6	i	-	-
51	observationReportList	{summ-att 14}	—	-	-	o.6	i	-	-
52	algorithmParameters	{summ-att 2}	—	-	-	o.6	i	-	-

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Table G.10 (continued) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 37 Profile	Base Std.	AOM25 37 Profile	Base Std.	AOM25 37 Profile	Additional information
1	-	-	-	-	-	-	
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	
7	-	-	-	-	-	-	
8	-	-	-	-	-	-	
9	-	-	-	-	-	-	
10	-	-	-	-	-	-	
11	o.6	m	o.6	m	o.6	m	
12	-	-	-	-	o.6	m	
13	o.6	o	o.6	o	o.6	o	
14	o.6	m	o.6	m	o.6	m	
15	-	-	-	-	-	-	
16	o.6	i	o.6	i	-	-	
17	o.6	i	o.6	i	-	-	
18	-	-	-	-	-	-	
19	-	-	-	-	o.6	m	
20	o.6	i	o.6	i	-	-	
21	-	-	-	-	-	-	
22	-	-	-	-	-	-	
23	-	-	-	-	-	-	
24	-	-	-	-	o.6	m	
25	-	-	-	-	-	-	
26	-	-	-	-	-	-	
27	-	-	-	-	-	-	
28	o.6	m	o.6	m	-	-	
29	-	-	-	-	-	-	
30	o.6	m	o.6	m	-	-	

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Table G.10 (concluded) – Attribute support

Index	Add		Remove		Set To Default		Additional information
	Base Std.	AOM25 37 Profile	Base Std.	AOM25 37 Profile	Base Std.	AOM25 37 Profile	
31	-	-	-	-	-	-	
32	-	-	-	-	-	-	
33	-	-	-	-	-	-	
34	-	-	-	-	-	-	
35	-	-	-	-	-	-	
36	-	-	-	-	-	-	
37	-	-	-	-	-	-	
38	-	-	-	-	-	-	
39	-	-	-	-	-	-	
40	-	-	-	-	-	-	
41	-	-	-	-	-	-	
42	-	-	-	-	-	-	
43	-	-	-	-	-	-	
44	-	-	-	-	-	-	
45	-	-	-	-	-	-	
46	-	-	-	-	-	-	
47	-	-	-	-	-	-	
48	-	-	-	-	-	-	
49	-	-	-	-	-	-	
50	-	-	-	-	-	-	
51	-	-	-	-	-	-	
52	-	-	-	-	-	-	

G.2.2 Create and delete management operations

The support of create and delete management operations in the manager role for AOM2537 are indicated in Table G.11.

G.2.2.1 Mean variance scanner managed object class

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

Table G.11 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 37 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

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G.2.3 Notifications

The support of notifications in the manager role for AOM2537 are indicated in Table G.12.

This table is based on Table C.11 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table G.12 -Notification support

					AOM2537 Profile		
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std.	Con-firmed	Non-con-firmed	Additional information
1	bufferedScanReport	{summ-not 1}	—	13C/c13	i	i	
2	scanReport	{summ-not 2}	—	13C/c14	i	i	
3	statisticalReport	{summ-not 3}	—	13C/c15	m	m	

The detailed profile requirement lists for statisticalReport are as specified in Table A.20. For this reason the table is not repeated here.

G.2.4 Actions

The support of actions in the manager role for AOM2537 are indicated in Table G.13.

This table is based on Table C.12 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table G.13 -Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Base Std.	AOM2537 Profile	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		13C/c16	i	
			1.2	Reply		13C/c16	i	
2	activateScanReport	{summ-act 2}	2.1	Information	No information syntax	13C/c17	i	No support table required
			2.2	Reply		13C/c17	i	
3	activateStatisticalReport	{summ-act 3}	3.1	Information	No information syntax	13C/c18	m	No support table required
			3.2	Reply		13C/c18	m	
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	13C/c19	i	No support table required
			4.2	Reply		13C/c19	i	

The detailed profile requirement lists for activateStatisticalReport action are as specified in Table A.21. For this reason the table is not repeated here.

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G.2.5 Parameters

The support of parameters in the manager role for AOM2537 are indicated in Table G.14.

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

Table G.14 - Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Base Std.	AOM2537 Profile	Additional information
1	scanActionError	{summ-prm 1}	—	13C/c20	m	
2	conflictingPackagesRequestedError	{summ-prm 2}	—	13C/c21	m	

G.3 CMIP PDU requirements

An implementation conforming to AOM2537 shall support the CMIP PDUs associated with following CMIS services. The list of CMIP PDUs associated with each service are specified in ISO/IEC ISP 11183-2.

Table G.15 – CMIP PDU Requirements

Index	CMISE Service Primitive	ISP 11183-2 Table Reference		Changes from profile columns in 11183-2 tables
		Manager	Agent	
1	M-ACTION	Table A.15	Table A.16	none
2	M-CANCEL-GET	Table A.17	Table A.18	none
3	M-CREATE	Table A.19	Table A.20	none
4	M-DELETE	Table A.21	Table A.22	none
5	M-EVENT-REPORT	Table A.24	Table A.23	none
6	M-GET	Table A.25	Table A.26	none
7	M-SET	Table A.27	Table A.28	none

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Annex H

(normative)

Percentile Scanner Object Profile

Profile Requirements List (profile RL) for AOM2538

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.
AOM2538 Profile:	AOM2538 profile requirements defined for this item.

The notation used in this annex is identified in clause 5 of this part of ISO/IEC ISP 12060. The parameter names are those which are specified in ITU-T Rec. X.738 | ISO/IEC 10164-13.

H.1 Management conformance summary

The support of roles are indicated in Table H.1.

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

Table H.1 – Roles

Index	Roles supported	Base Std.	AOM2538 Profile	Additional information
1	Manager role support	o.1	o.2	
2	Agent role support	o.1	o.2	

The support of systems management functional units are indicated in Table H.2.

This table is based on Table B.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table H.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Base Std.	AOM2538 Profile	Base Std.	AOM2538 Profile	
1	Scan stimulation functional unit	13B/c1	c1	13B/c2	c2	
2	Summarization event reporting functional unit	13B/c1	c1	13B/c2	c2	

c1 : if B.1/1a [ISO/IEC 10164-13] then m else i

c2 : if B.1/2a [ISO/IEC 10164-13] then m else i

The support of management information in the manager role for AOM2538 are indicated in Table H.3.

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

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Table H.3 – Manager role minimum conformance requirement

Index	Item	Base Std.	AOM2538 Profile	Additional information
1	Operations on managed objects	13B/c3	m	
2	Buffered scan report notification	13B/c4	i	
3	Scan report notification	13B/c4	i	
4	Statistical report notification	13B/c4	m	
5	Activate dynamic simple scan report action	13B/c5	i	
6	Activate scan report action	13B/c5	i	
7	Activate statistical report action	13B/c5	m	
8	Report buffer action	13B/c5	i	
9	Object creation notification from at least one summarization managed objects	13B/c3	m	
10	Object deletion notification from at least one summarization managed objects	13B/c3	m	
11	Attribute value change notification from at least summarization managed objects	13B/c3	m	
12	State change notification from at least one summarization managed objects	13B/c3	m	

The support of management information in the agent role for AOM2538 are indicated in Table H.4.

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

Table H.4 – Agent role minimum conformance requirement

Index	Item	Base Std.	AOM2538 Profile	Additional information
1	Heterogeneous scanner managed object	13B/c6	i	
2	Buffered scanner managed object	13B/c6	i	
3	Simple scanner managed object	13B/c6	i	
4	Mean scanner managed object	13B/c6	i	
5	Mean variance scanner managed object	13B/c6	i	
6	Min max scanner managed object	13B/c6	i	
7	Percentile scanner managed object	13B/c6	m	
8	Dynamic simple scanner managed object	13B/c6	i	

The support of logging of event records for AOM2538 is indicated in Table H.5.

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

Table H.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	13B/c7	13B/c7	

The following tables identifies part of the information that the supplier of the implementation shall provide in the final management conformance summary . The supplier shall indicate claims of conformance to the following standards.

NOTE – In tables H.6, H.7, H.8 and H.9, the "Base Std." column and the "Profile" 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 "Base Std." or "Profile" column.

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

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Table H.6 – PICS support summary

Index	Identification of the document that includes the PICS proforma	Table numbers of PICS proforma	Description	Constraints and values	Base Std.	AOM2538 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC, 10164-1	Annex E all tables	SM application Context	–	o	m	specified in ISO/IEC ISP 12059-1
2	ISO/IEC 9596-2	all tables	CMIP	–	o	m	specified in ISO/IEC ISP 11183-2
3	ISO/IEC 8650-2	all tables	ACSE	–	o	m	specified in ISO/IEC ISP 11183-1
4	ISO/IEC 8823-2	all tables	Presentation	–	o	m	specified in ISO/IEC ISP 11183-1
5	ISO/IEC 8327-2	all tables	Session	–	o	m	specified in ISO/IEC ISP 11183-1

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

Table H.7 — MOCS support summary

Index	Identification of the document including the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Base Std.	AOM2538 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC 10164-1	Annex C all tables	objectCreation, objectDeletion and attribute valueChange records	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-1
2	CCITT Rec. X.731 | ISO/IEC 10164-2	Annex C all tables	stateChange Record	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-2
3	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex D all tables	heterogeneousScanner	-	13B/c9	i	specified in ISO/IEC ISP 12059-13, Annex A
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex E all tables	bufferedScanner	-	13B/c10	i	specified in ISO/IEC ISP 12059-13, Annex B
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex F all tables	simpleScanner	-	13B/c11	i	specified in ISO/IEC ISP 12059-13, Annex C
6	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex G all tables	meanScanner	-	13B/c12	i	specified in ISO/IEC ISP 12059-13, Annex D
7	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex H all tables	meanVarianceScanner	-	13B/c13	i	specified in ISO/IEC ISP 12059-13, Annex E
8	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex I all tables	minMaxScanner	-	13B/c14	i	specified in ISO/IEC ISP 12059-13, Annex F
9	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex J all tables	percentileScanner	-	13B/c15	m	specified in ISO/IEC ISP 12059-13, Annex G
10	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex K all tables	dynamicSimpleScanner	-	13B/c16	i	specified in ISO/IEC ISP 12059-13, Annex H
11	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex L all tables	bufferedScanReportRecord	-	13B/c17	i	specified in ISO/IEC ISP 12059-13, Annex I
12	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex M all tables	scanReportRecord	-	13B/c18	i	specified in ISO/IEC ISP 12059-13, Annex J
13	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex N all tables	statisticalReportRecord	-	13B/c19	13B/c19	specified in ISO/IEC ISP 12059-13, Annex K

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This table is based on Table B.8 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table H.8 – MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Base Std.	AOM2538 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/1	confilictingPackagesScanner-system	-	13B/c20	m	specified in ISO/IEC ISP 12059-13, Annex L
2	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/2	dynamicSimpleScanner-system	-	13B/c21	i	specified in ISO/IEC ISP 12059-13, Annex L
3	CCITT Rec. X.735 | ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	-	13B/c22	13B/c22	specified in ISO/IEC ISP 12060-5

This table is based on Table H.9 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table H.9 – MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Base Std.	AOM2538 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.1 to C.10	management operations	—	13B/c23	m	specified in H.2
2	ITU-T Rec. X.730 | ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	—	13B/c24	m	specified in ISO/IEC ISP 12059-1
3	ITU-T Rec. X.731 | ISO/IEC 10164-2	Table B.1	stateChange notification	—	13B/c25	m	specified in ISO/IEC ISP 12059-2
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	—	13B/c26	m	specified in H.2
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.12	actions	—	13B/c27	m	specified in H.2

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H.2 Management information support

H.2.1 Attributes

The support of attributes in the manager role for AOM2538 are indicated in Table H.10.

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

Table H.10 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM2538 Profile	Base Std.	AOM2538 Profile	Base Std.	AOM2538 Profile
1	objectClass	{dmi-att 65}	—	13C/c1	m	o.6	m	-	-
2	nameBinding	{dmi-att 63}	—	13C/c1	o	o.6	m	-	-
3	packages	{dmi-att 66}	—	13C/c1	m	o.6	m	-	-
4	allomorphs	{dmi-att 50}	—	13C/c1	i	o.6	i	-	-
5	scannerId	{moa-att 25}	—	13C/c1	o	o.6	m	-	-
6	granularityPeriod	{moa-att 23}	—	13C/c1	m	o.6	m	o.6	m
7	administrativeState	{dmi-att 31}	—	13C/c1	m	o.6	m	o.6	m
8	operationalState	{dmi-att 35}		-	-	o.6	m	-	-
9	availabilityStatus	{dmi-att 33}	off-duty required	-	-	o.6	m	-	-
10	periodSynchronizationTime	{moa-att 24}	—	13C/c2	m	o.6	m	o.6	m
11	startTime	{dmi-att 68}	—	13C/c2	m	o.6	m	o.6	m
12	stopTime	{dmi-att 69}	DMI default	13C/c2	m	o.6	m	o.6	m
13	intervalsOfDay	{dmi-att 57}	DMI default	13C/c2	o	o.6	o	o.6	o
14	weekMask	{dmi-att 71}	DMI default	13C/c2	m	o.6	m	o.6	m
15	schedulerName	{dmi-att 67}	—	13C/c2	o	o.6	o	-	-
16	observationIdList	{summ-att 13}	—	13C/c2	i	o.6	i	o.6	i
17	onceReportAttributeIdList	{summ-att 16}	—	13C/c3	i	o.6	i	o.6	i
18	suppressObjectInstance	{summ-att 26}	—	13C/c2	m	o.6	m	o.6	m
19	timeStampReportMode	{summ-att 29}	timeStampingOff default	13C/c2	m	o.6	m	o.6	m
20	bufferedObservationIdList	{summ-att 5}	—	13C/c4	i	o.6	i	o.6	i
21	reportPeriod	{summ-att 19}	—	13C/c4	i	o.6	i	o.6	i
22	baseManagedObject	{summ-att 3}	—	13C/c5	m	o.6	m	o.6	m
23	scope	{summ-att 25}	—	13C/c5	m	o.6	m	o.6	m
24	scanningFilter	{summ-att 24}	—	13C/c5	m	o.6	m	o.6	m
25	beginTimeOffset	{summ-att 4}	—	13C/c5	m	o.6	m	o.6	m
26	endTimeOffset	{summ-att 7}	—	13C/c5	m	o.6	m	o.6	m
27	timeAttributeIdentifier	{summ-att 28}	—	13C/c5	m	o.6	m	o.6	m
28	objectList	{summ-att 12}	—	13C/c5	m	o.6	m	o.6	m
29	numericAttributeIdArray	{summ-att 10}	—	13C/c6	i	o.6	i	o.6	i
30	numericAttributeIdList	{summ-att 11}	—	13C/c7	m	o.6	m	o.6	m
31	configurablePCT	{moa-att 0}	—	13C/c8	m	o.6	m	o.6	m

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Table H.10 (continued) – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM25 38 Profile	Base Std.	AOM25 38 Profile	Base Std.	AOM25 38 Profile
32	logRecordId	{dmi-att 3}	—	-	-	o.6	i	-	-
33	loggingTime	{dmi-att 59}	—	-	-	o.6	i	-	-
34	managedObjectClass	{dmi-att 60}	—	-	-	o.6	i	-	-
35	managedObjectInstance	{dmi-att 61}	—	-	-	o.6	i	-	-
36	eventType	{dmi-att 14}	—	-	-	o.6	i	-	-
37	eventTime	{dmi-att 13}	—	-	-	o.6	i	-	-
38	notificationIdentifier	{dmi-att 16}	—	-	-	o.6	i	-	-
39	correlatedNotifications	{dmi-att 12}	—	-	-	o.6	i	-	-
40	additionalText	{dmi-att 7}	—	-	-	o.6	i	-	-
41	additionalInformation	{dmi-att 6}	—	-	-	o.6	i	-	-
42	granularityPeriod	{moa-att 23}	—	-	-	o.6	i	-	-
43	bufferedObservationList	{summ-att 6}	—	-	-	o.6	i	-	-
44	firstScanInitiationTime	{summ-att 8}	—	-	-	o.6	i	-	-
45	suspectIntervals	{summ-att 27}	—	-	-	o.6	i	-	-
46	incompleteScan	{summ-att 30}	—	-	-	o.6	i	-	-
47	observationScanList	{summ-att 15}	—	-	-	o.6	i	-	-
48	scanInitiationTime	{summ-att 22}	—	-	-	o.6	i	-	-
49	onceReportAttributeList	{summ-att 17}	—	-	-	o.6	i	-	-
50	algorithmOutputs	{summ-att 1}	—	-	-	o.6	i	-	-
51	observationReportList	{summ-att 14}	—	-	-	o.6	i	-	-
52	algorithmParameters	{summ-att 2}	—	-	-	o.6	i	-	-

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Table H.10 (continued) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 38 Profile	Base Std.	AOM25 38 Profile	Base Std.	AOM25 38 Profile	Additional information
1	-	-	-	-	-	-	
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	
7	-	-	-	-	-	-	
8	-	-	-	-	-	-	
9	-	-	-	-	-	-	
10	-	-	-	-	-	-	
11	o.6	m	o.6	m	o.6	m	
12	-	-	-	-	o.6	m	
13	o.6	o	o.6	o	o.6	o	
14	o.6	m	o.6	m	o.6	m	
15	-	-	-	-	-	-	
16	o.6	i	o.6	i	-	-	
17	o.6	i	o.6	i	-	-	
18	-	-	-	-	-	-	
19	-	-	-	-	o.6	m	
20	o.6	i	o.6	i	-	-	
21	-	-	-	-	-	-	
22	-	-	-	-	-	-	
23	-	-	-	-	-	-	
24	-	-	-	-	o.6	m	
25	-	-	-	-	-	-	
26	-	-	-	-	-	-	
27	-	-	-	-	-	-	
28	o.6	m	o.6	m	-	-	
29	-	-	-	-	-	-	
30	o.6	m	o.6	m	-	-	

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Table H.10 (concluded) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 38 Profile	Base Std.	AOM25 38 Profile	Base Std.	AOM25 38 Profile	Additional information
31	-	-	-	-	-	-	
32	-	-	-	-	-	-	
33	-	-	-	-	-	-	
34	-	-	-	-	-	-	
35	-	-	-	-	-	-	
36	-	-	-	-	-	-	
37	-	-	-	-	-	-	
38	-	-	-	-	-	-	
39	-	-	-	-	-	-	
40	-	-	-	-	-	-	
41	-	-	-	-	-	-	
42	-	-	-	-	-	-	
43	-	-	-	-	-	-	
44	-	-	-	-	-	-	
45	-	-	-	-	-	-	
46	-	-	-	-	-	-	
47	-	-	-	-	-	-	
48	-	-	-	-	-	-	
49	-	-	-	-	-	-	
50	-	-	-	-	-	-	
51	-	-	-	-	-	-	
52	-	-	-	-	-	-	

H.2.2 Create and delete management operations

The support of create and delete management operations in the manager role for AOM2538 are indicated in Table H.11.

H.2.2.1 Percentile scanner managed object class

This table is based on Table C.8 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table H.11 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 38 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

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H.2.3 Notifications

The support of notifications in the manager role for AOM2538 are indicated in Table H.12.

This table is based on Table C.11 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table H.12 -Notification support

Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std.	AOM2538 Profile Con-firmed	AOM2538 Profile Non-con-firmed	Additional information
1	bufferedScanReport	{summ-not 1}	—	13C/c13	i	i	
2	scanReport	{summ-not 2}	—	13C/c14	i	i	
3	statisticalReport	{summ-not 3}	—	13C/c15	m	m	

The detailed profile requirement lists for statisticalReport are as specified in Table A.20. For this reason the table is not repeated here.

H.2.4 Actions

The support of actions in the manager role for AOM2538 are indicated in Table H.13.

This table is based on Table C.12 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table H.13 -Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Base Std.	AOM2538 Profile	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		13C/c16	i	
			1.2	Reply		13C/c16	i	
2	activateScanReport	{summ-act 2}	2.1	Information	No information syntax	13C/c17	i	No support table required
			2.2	Reply		13C/c17	i	
3	activateStatisticalReport	{summ-act 3}	3.1	Information	No information syntax	13C/c18	m	No support table required
			3.2	Reply		13C/c18	m	
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	13C/c19	i	No support table required
			4.2	Reply		13C/c19	i	

The detailed profile requirement lists for activateStatisticalReport action are as specified in Table A.21. For this reason the table is not repeated here.

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H.2.5 Parameters

The support of parameters in the manager role for AOM2538 are indicated in Table H.14.

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

Table H.14 - Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Base Std.	AOM2538 Profile	Additional information
1	scanActionError	{summ-prm 1}	—	13C/c20	m	
2	conflictingPackagesRequestedError	{summ-prm 2}	—	13C/c21	m	

H.3 CMIP PDU requirements

An implementation conforming to AOM2538 shall support the CMIP PDUs associated with following CMIS services. The list of CMIP PDUs associated with each service are specified in ISO/IEC ISP 11183-2.

Table H.15 – CMIP PDU Requirements

Index	CMISE Service Primitive	ISP 11183-2 Table Reference		Changes from profile columns in 11183-2 tables
		Manager	Agent	
1	M-ACTION	Table A.15	Table A.16	none
2	M-CANCEL-GET	Table A.17	Table A.18	none
3	M-CREATE	Table A.19	Table A.20	none
4	M-DELETE	Table A.21	Table A.22	none
5	M-EVENT-REPORT	Table A.24	Table A.23	none
6	M-GET	Table A.25	Table A.26	none
7	M-SET	Table A.27	Table A.28	none

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Annex I

(normative)

Min Max Scanner Object Profile

Profile Requirements List (profile RL) for AOM2539

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.
AOM2539 Profile:	AOM2539 profile requirements defined for this item.

The notation used in this annex is identified in clause 5 of this part of ISO/IEC ISP 12060. The parameter names are those which are specified in ITU-T Rec. X.738 | ISO/IEC 10164-13.

I.1 Management conformance summary

The support of roles are indicated in Table I.1.

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

Table I.1 – Roles

Index	Roles supported	Base Std.	AOM2539 Profile	Additional information
1	Manager role support	o.1	o.2	
2	Agent role support	o.1	o.2	

The support of systems management functional units are indicated in Table I.2.

This table is based on Table B.2 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table I.2 – Systems management functional units

Index	Capability	Manager		Agent		Additional information
		Base Std.	AOM2539 Profile	Base Std.	AOM2539 Profile	
1	Scan stimulation functional unit	13B/c1	c1	13B/c2	c2	
2	Summarization event reporting functional unit	13B/c1	c1	13B/c2	c2	

c1 : if B.1/1a [ISO/IEC 10164-13] then m else i

c2 : if B.1/2a [ISO/IEC 10164-13] then m else i

The support of management information in the manager role for AOM2539 are indicated in Table I.3.

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

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Table I.3 – Manager role minimum conformance requirement

Index	Item	Base Std.	AOM2539 Profile	Additional information
1	Operations on managed objects	13B/c3	m	
2	Buffered scan report notification	13B/c4	i	
3	Scan report notification	13B/c4	i	
4	Statistical report notification	13B/c4	m	
5	Activate dynamic simple scan report action	13B/c5	i	
6	Activate scan report action	13B/c5	i	
7	Activate statistical report action	13B/c5	m	
8	Report buffer action	13B/c5	i	
9	Object creation notification from at least one summarization managed objects	13B/c3	m	
10	Object deletion notification from at least one summarization managed objects	13B/c3	m	
11	Attribute value change notification from at least summarization managed objects	13B/c3	m	
12	State change notification from at least one summarization managed objects	13B/c3	m	

The support of management information in the agent role for AOM2539 are indicated in Table I.4.

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

Table I.4 – Agent role minimum conformance requirement

Index	Item	Base Std.	AOM2539 Profile	Additional information
1	Heterogeneous scanner managed object	13B/c6	i	
2	Buffered scanner managed object	13B/c6	i	
3	Simple scanner managed object	13B/c6	i	
4	Mean scanner managed object	13B/c6	i	
5	Mean variance scanner managed object	13B/c6	i	
6	Min max scanner managed object	13B/c6	m	
7	Percentile scanner managed object	13B/c6	i	
8	Dynamic simple scanner managed object	13B/c6	i	

The support of logging of event records for AOM2539 is indicated in Table I.5.

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

Table I.5 – Logging of event records

Index		Status	Support	Additional information
1	Does the implementation support logging of event records in agent role?	13B/c7	13B/c7	

The following tables identifies part of the information that the supplier of the implementation shall provide in the final management conformance summary . The supplier shall indicate claims of conformance to the following standards.

NOTE – In tables I.6, I.7, I.8 and I.9, the "Base Std." column and the "Profile" 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 "Base Std." or "Profile" column.

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

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Table I.6 – PICS support summary

Index	Identification of the document that includes the PICS proforma	Table numbers of PICS proforma	Description	Constraints and values	Base Std.	AOM2539 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC, 10164-1	Annex E all tables	SM application Context	–	o	m	specified in ISO/IEC ISP 12059-1
2	ISO/IEC 9596-2	all tables	CMIP	–	o	m	specified in ISO/IEC ISP 11183-2
3	ISO/IEC 8650-2	all tables	ACSE	–	o	m	specified in ISO/IEC ISP 11183-1
4	ISO/IEC 8823-2	all tables	Presentation	–	o	m	specified in ISO/IEC ISP 11183-1
5	ISO/IEC 8327-2	all tables	Session	–	o	m	specified in ISO/IEC ISP 11183-1

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

Table I.7 — MOCS support summary

Index	Identification of the document including the MOCS proforma	Table numbers of MOCS proforma	Description	Constraints and values	Base Std.	AOM2539 Profile	Additional information
1	CCITT Rec. X.730 | ISO/IEC 10164-1	Annex C all tables	objectCreation, objectDeletion and attribute valueChange records	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-1
2	CCITT Rec. X.731 | ISO/IEC 10164-2	Annex C all tables	stateChange Record	-	13B/c8	13B/c8	specified in ISO/IEC ISP 12059-2
3	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex D all tables	heterogeneousScanner	-	13B/c9	i	specified in ISO/IEC ISP 12059-13, Annex A
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex E all tables	bufferedScanner	-	13B/c10	i	specified in ISO/IEC ISP 12059-13, Annex B
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex F all tables	simpleScanner	-	13B/c11	i	specified in ISO/IEC ISP 12059-13, Annex C
6	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex G all tables	meanScanner	-	13B/c12	i	specified in ISO/IEC ISP 12059-13, Annex D
7	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex H all tables	meanVarianceScanner	-	13B/c13	i	specified in ISO/IEC ISP 12059-13, Annex E
8	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex I all tables	minMaxScanner	-	13B/c14	m	specified in ISO/IEC ISP 12059-13, Annex F
9	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex J all tables	percentileScanner	-	13B/c15	i	specified in ISO/IEC ISP 12059-13, Annex G
10	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex K all tables	dynamicSimpleScanner	-	13B/c16	i	specified in ISO/IEC ISP 12059-13, Annex H
11	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex L all tables	bufferedScanReportRecord	-	13B/c17	i	specified in ISO/IEC ISP 12059-13, Annex I
12	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex M all tables	scanReportRecord	-	13B/c18	i	specified in ISO/IEC ISP 12059-13, Annex J
13	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex N all tables	statisticalReportRecord	-	13B/c19	13B/c19	specified in ISO/IEC ISP 12059-13, Annex K

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This table is based on Table B.8 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table I.8 – MRCS support summary

Index	Identification of the document that includes the MRCS proforma	Table numbers of MRCS proforma	Description	Constraints and values	Base Std.	AOM2539 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/1	confilictingPackagesScanner-system	-	13B/c20	m	specified in ISO/IEC ISP 12059-13, Annex L
2	ITU-T Rec. X.738 | ISO/IEC 10164-13	Annex O, O.1/2	dynamicSimpleScanner-system	-	13B/c21	i	specified in ISO/IEC ISP 12059-13, Annex L
3	CCITT Rec. X.735 | ISO/IEC 10164-6	Annex D, D.1/1	logRecord-log	-	13B/c22	13B/c22	specified in ISO/IEC ISP 12060-5

This table is based on Table I.9 of ITU-T Rec X.738 | ISO/IEC 10164-13.

Table I.9 – MICS support summary

Index	Identification of the document that includes the MICS proforma	Table numbers of MICS proforma	Description	Constraints and values	Base Std.	AOM2539 Profile	Additional information
1	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.1 to C.10	management operations	—	13B/c23	m	specified in I.2
2	ITU-T Rec. X.730 | ISO/IEC 10164-1	Table B.1	objectCreation, objectDeletion and attributeValueChange notifications	—	13B/c24	m	specified in ISO/IEC ISP 12059-1
3	ITU-T Rec. X.731 | ISO/IEC 10164-2	Table B.1	stateChange notification	—	13B/c25	m	specified in ISO/IEC ISP 12059-2
4	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.11	bufferedScanReport, scanReport and statisticalReport notifications	—	13B/c26	m	specified in I.2
5	ITU-T Rec. X.738 | ISO/IEC 10164-13	Table C.12	actions	—	13B/c27	m	specified in I.2

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I.2 Management information support

I.2.1 Attributes

The support of attributes in the manager role for AOM2539 are indicated in Table I.10.

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

Table I.10 – Attribute support

				Set by Create		Get		Replace	
Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Base Std.	AOM2539 Profile	Base Std.	AOM2539 Profile	Base Std.	AOM2539 Profile
1	objectClass	{dmi-att 65}	—	13C/c1	m	o.6	m	-	-
2	nameBinding	{dmi-att 63}	—	13C/c1	o	o.6	m	-	-
3	packages	{dmi-att 66}	—	13C/c1	m	o.6	m	-	-
4	allomorphs	{dmi-att 50}	—	13C/c1	i	o.6	i	-	-
5	scannerId	{moa-att 25}	—	13C/c1	o	o.6	m	-	-
6	granularityPeriod	{moa-att 23}	—	13C/c1	m	o.6	m	o.6	m
7	administrativeState	{dmi-att 31}	—	13C/c1	m	o.6	m	o.6	m
8	operationalState	{dmi-att 35}		-	-	o.6	m	-	-
9	availabilityStatus	{dmi-att 33}	off-duty required	-	-	o.6	m	-	-
10	periodSynchronizationTime	{moa-att 24}	—	13C/c2	m	o.6	m	o.6	m
11	startTime	{dmi-att 68}	—	13C/c2	m	o.6	m	o.6	m
12	stopTime	{dmi-att 69}	DMI default	13C/c2	m	o.6	m	o.6	m
13	intervalsOfDay	{dmi-att 57}	DMI default	13C/c2	o	o.6	o	o.6	o
14	weekMask	{dmi-att 71}	DMI default	13C/c2	m	o.6	m	o.6	m
15	schedulerName	{dmi-att 67}	—	13C/c2	o	o.6	o	-	-
16	observationIdList	{summ-att 13}	—	13C/c2	i	o.6	i	o.6	i
17	onceReportAttributeIdList	{summ-att 16}	—	13C/c3	i	o.6	i	o.6	i
18	suppressObjectInstance	{summ-att 26}	—	13C/c2	m	o.6	m	o.6	m
19	timeStampReportMode	{summ-att 29}	timeStampingOff default	13C/c2	m	o.6	m	o.6	m
20	bufferedObservationIdList	{summ-att 5}	—	13C/c4	i	o.6	i	o.6	i
21	reportPeriod	{summ-att 19}	—	13C/c4	i	o.6	i	o.6	i
22	baseManagedObject	{summ-att 3}	—	13C/c5	m	o.6	m	o.6	m
23	scope	{summ-att 25}	—	13C/c5	m	o.6	m	o.6	m
24	scanningFilter	{summ-att 24}	—	13C/c5	m	o.6	m	o.6	m
25	beginTimeOffset	{summ-att 4}	—	13C/c5	m	o.6	m	o.6	m
26	endTimeOffset	{summ-att 7}	—	13C/c5	m	o.6	m	o.6	m
27	timeAttributeIdentifier	{summ-att 28}	—	13C/c5	m	o.6	m	o.6	m
28	objectList	{summ-att 12}	—	13C/c5	m	o.6	m	o.6	m
29	numericAttributeIdArray	{summ-att 10}	—	13C/c6	i	o.6	i	o.6	i
30	numericAttributeIdList	{summ-att 11}	—	13C/c7	m	o.6	m	o.6	m
31	configurablePCT	{moa-att 0}	—	13C/c8	i	o.6	i	o.6	i

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Table I.10 (continued) – Attribute support

Index	Attribute template label	Value of object identifier for attribute	Constraints and values	Set by Create		Get		Replace	
				Base Std.	AOM2539 Profile	Base Std.	AOM2539 Profile	Base Std.	AOM2539 Profile
32	logRecordId	{dmi-att 3}	—	-	-	o.6	i	-	-
33	loggingTime	{dmi-att 59}	—	-	-	o.6	i	-	-
34	managedObjectClass	{dmi-att 60}	—	-	-	o.6	i	-	-
35	managedObjectInstance	{dmi-att 61}	—	-	-	o.6	i	-	-
36	eventType	{dmi-att 14}	—	-	-	o.6	i	-	-
37	eventTime	{dmi-att 13}	—	-	-	o.6	i	-	-
38	notificationIdentifier	{dmi-att 16}	—	-	-	o.6	i	-	-
39	correlatedNotifications	{dmi-att 12}	—	-	-	o.6	i	-	-
40	additionalText	{dmi-att 7}	—	-	-	o.6	i	-	-
41	additionalInformation	{dmi-att 6}	—	-	-	o.6	i	-	-
42	granularityPeriod	{moa-att 23}	—	-	-	o.6	i	-	-
43	bufferedObservationList	{summ-att 6}	—	-	-	o.6	i	-	-
44	firstScanInitiationTime	{summ-att 8}	—	-	-	o.6	i	-	-
45	suspectIntervals	{summ-att 27}	—	-	-	o.6	i	-	-
46	incompleteScan	{summ-att 30}	—	-	-	o.6	i	-	-
47	observationScanList	{summ-att 15}	—	-	-	o.6	i	-	-
48	scanInitiationTime	{summ-att 22}	—	-	-	o.6	i	-	-
49	onceReportAttributeList	{summ-att 17}	—	-	-	o.6	i	-	-
50	algorithmOutputs	{summ-att 1}	—	-	-	o.6	i	-	-
51	observationReportList	{summ-att 14}	—	-	-	o.6	i	-	-
52	algorithmParameters	{summ-att 2}	—	-	-	o.6	i	-	-

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Table I.10 (continued) – Attribute support

	Add		Remove		Set To Default		
Index	Base Std.	AOM25 39 Profile	Base Std.	AOM25 39 Profile	Base Std.	AOM25 39 Profile	Additional information
1	-	-	-	-	-	-	
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	
7	-	-	-	-	-	-	
8	-	-	-	-	-	-	
9	-	-	-	-	-	-	
10	-	-	-	-	-	-	
11	o.6	m	o.6	m	o.6	m	
12	-	-	-	-	o.6	m	
13	o.6	o	o.6	o	o.6	o	
14	o.6	m	o.6	m	o.6	m	
15	-	-	-	-	-	-	
16	o.6	i	o.6	i	-	-	
17	o.6	i	o.6	i	-	-	
18	-	-	-	-	-	-	
19	-	-	-	-	o.6	m	
20	o.6	i	o.6	i	-	-	
21	-	-	-	-	-	-	
22	-	-	-	-	-	-	
23	-	-	-	-	-	-	
24	-	-	-	-	o.6	m	
25	-	-	-	-	-	-	
26	-	-	-	-	-	-	
27	-	-	-	-	-	-	
28	o.6	m	o.6	m	-	-	
29	-	-	-	-	-	-	
30	o.6	m	o.6	m	-	-	

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Table I.10 (concluded) – Attribute support

Index	Add		Remove		Set To Default		Additional information
	Base Std.	AOM25 39 Profile	Base Std.	AOM25 39 Profile	Base Std.	AOM25 39 Profile	
31	-	-	-	-	-	-	
32	-	-	-	-	-	-	
33	-	-	-	-	-	-	
34	-	-	-	-	-	-	
35	-	-	-	-	-	-	
36	-	-	-	-	-	-	
37	-	-	-	-	-	-	
38	-	-	-	-	-	-	
39	-	-	-	-	-	-	
40	-	-	-	-	-	-	
41	-	-	-	-	-	-	
42	-	-	-	-	-	-	
43	-	-	-	-	-	-	
44	-	-	-	-	-	-	
45	-	-	-	-	-	-	
46	-	-	-	-	-	-	
47	-	-	-	-	-	-	
48	-	-	-	-	-	-	
49	-	-	-	-	-	-	
50	-	-	-	-	-	-	
51	-	-	-	-	-	-	
52	-	-	-	-	-	-	

I.2.2 Create and delete management operations

The support of create and delete management operations in the manager role for AOM2539 are indicated in Table I.11.

I.2.2.1 Min max scanner managed object class

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

Table I.11 — Create and delete support

Index	Operation	Constraints and values	Base Std.	AOM25 39 Profile	Additional information
1	Create support	—	o.6	m	
1.1	Create with reference object	—	c:o	m	
2	Delete support	—	o.6	m	

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I.2.3 Notifications

The support of notifications in the manager role for AOM2539 are indicated in Table I.12.

This table is based on Table C.11 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table I.12 -Notification support

					AOM2539 Profile		
Index	Notification type template label	Value of object identifier for notification type	Constraints and values	Base Std.	Con-firmed	Non-con-firmed	Additional information
1	bufferedScanReport	{summ-not 1}	—	13C/c13	i	i	
2	scanReport	{summ-not 2}	—	13C/c14	i	i	
3	statisticalReport	{summ-not 3}	—	13C/c15	m	m	

The detailed profile requirement lists for statisticalReport are as specified in Table A.20. For this reason the table is not repeated here.

I.2.4 Actions

The support of actions in the manager role for AOM2539 are indicated in Table I.13.

This table is based on Table C.12 of ITU-T Rec. X.738 | ISO/IEC 10164-13.

Table I.13 -Action support

Index	Action type template label	Value of object identifier for action type	Subindex	Information/ Reply	Constraints and values	Base Std.	AOM2539 Profile	Additional information
1	activateDynamicSimpleReport	{summ-act 1}	1.1	Information		13C/c16	i	
			1.2	Reply		13C/c16	i	
2	activateScanReport	{summ-act 2}	2.1	Information	No information syntax	13C/c17	i	No support table required
			2.2	Reply		13C/c17	i	
3	activateStatisticalReport	{summ-act 3}	3.1	Information	No information syntax	13C/c18	m	No support table required
			3.2	Reply		13C/c18	m	
4	reportBuffer	{summ-act 4}	4.1	Information	No information syntax	13C/c19	i	No support table required
			4.2	Reply		13C/c19	i	

The detailed profile requirement lists for activateStatisticalReport action are as specified in Table A.21. For this reason the table is not repeated here.

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I.2.5 Parameters

The support of parameters in the manager role for AOM2539 are indicated in Table I.14.

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

Table I.14 - Parameter support

Index	Parameter template label	Value of object identifier for parameter	Constraints and values	Base Std.	AOM2539 Profile	Additional information
1	scanActionError	{summ-prm 1}	—	13C/c20	m	
2	conflictingPackagesRequestedError	{summ-prm 2}	—	13C/c21	m	

I.3 CMIP PDU requirements

An implementation conforming to AOM2539 shall support the CMIP PDUs associated with following CMIS services. The list of CMIP PDUs associated with each service are specified in ISO/IEC ISP 11183-2.

Table I.15 – CMIP PDU Requirements

Index	CMISE Service Primitive	ISP 11183-2 Table Reference		Changes from profile columns in 11183-2 tables
		Manager	Agent	
1	M-ACTION	Table A.15	Table A.16	none
2	M-CANCEL-GET	Table A.17	Table A.18	none
3	M-CREATE	Table A.19	Table A.20	none
4	M-DELETE	Table A.21	Table A.22	none
5	M-EVENT-REPORT	Table A.24	Table A.23	none
6	M-GET	Table A.25	Table A.26	none
7	M-SET	Table A.27	Table A.28	none

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