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**CWA 16374-32**

**WORKSHOP**

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**AGREEMENT**

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English version

**Extensions for Financial Services (XFS) interface specification -  
Release 3.20 - Part 32: XFS MIB Device Specific Definitions -  
Cash Dispenser Device Class MIB 3.20**

This CEN Workshop Agreement has been drafted and approved by a Workshop of representatives of interested parties, the constitution of which is indicated in the foreword of this Workshop Agreement.

The formal process followed by the Workshop in the development of this Workshop Agreement has been endorsed by the National Members of CEN but neither the National Members of CEN nor the CEN-CENELEC Management Centre can be held accountable for the technical content of this CEN Workshop Agreement or possible conflicts with standards or legislation.

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## Foreword

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This CWA is revision 3.20 of the XFS interface specification.

This CEN Workshop Agreement has been drafted and approved by a Workshop of representatives of interested parties on 2011-06-29, the constitution of which was supported by CEN following the public call for participation made on 1998-06-24. The specification is continuously reviewed and commented in the CEN/ISSS Workshop on XFS. It is therefore expected that an update of the specification will be published in due time as a CWA, superseding this revision 3.20.

A list of the individuals and organizations which supported the technical consensus represented by the CEN Workshop Agreement is available to purchasers from the CEN-CENELEC Management Centre. These organizations were drawn from the banking sector. The CEN/ISSS XFS Workshop gathered suppliers as well as banks and other financial service companies.

The CWA is published as a multi-part document, consisting of:

Part 1: Application Programming Interface (API) - Service Provider Interface (SPI) - Programmer's Reference

Part 2: Service Class Definition - Programmer's Reference

Part 3: Printer and Scanning Device Class Interface - Programmer's Reference

Part 4: Identification Card Device Class Interface - Programmer's Reference

Part 5: Cash Dispenser Device Class Interface - Programmer's Reference

Part 6: PIN Keypad Device Class Interface - Programmer's Reference

Part 7: Check Reader/Scanner Device Class Interface - Programmer's Reference

Part 8: Depository Device Class Interface - Programmer's Reference

Part 9: Text Terminal Unit Device Class Interface - Programmer's Reference

Part 10: Sensors and Indicators Unit Device Class Interface - Programmer's Reference

Part 11: Vendor Dependent Mode Device Class Interface - Programmer's Reference

Part 12: Camera Device Class Interface - Programmer's Reference

Part 13: Alarm Device Class Interface - Programmer's Reference

Part 14: Card Embossing Unit Class Interface - Programmer's Reference

Part 15: Cash-In Module Device Class Interface - Programmer's Reference

Part 16: Card Dispenser Device Class Interface - Programmer's Reference

Part 17: Barcode Reader Device Class Interface - Programmer's Reference

Part 18: Item Processing Module Device Class Interface - Programmer's Reference

Parts 19 - 28: Reserved for future use.

Parts 29 through 47 constitute an optional addendum to this CWA. They define the integration between the SNMP standard and the set of status and statistical information exported by the Service Providers.

Part 29: XFS MIB Architecture and SNMP Extensions MIB 3.20

Part 30: XFS MIB Device Specific Definitions - Printer Device Class MIB 3.20

Part 31: XFS MIB Device Specific Definitions - Identification Card Device Class MIB 3.20

Part 32: XFS MIB Device Specific Definitions - Cash Dispenser Device Class MIB 3.20

Part 33: XFS MIB Device Specific Definitions - PIN Keypad Device Class MIB 3.20

Part 34: XFS MIB Device Specific Definitions - Check Reader/Scanner Device Class MIB 3.20

Part 35: XFS MIB Device Specific Definitions - Depository Device Class MIB 3.20

Part 36: XFS MIB Device Specific Definitions - Text Terminal Unit Device Class MIB 3.20

Part 37: XFS MIB Device Specific Definitions - Sensors and Indicators Unit Device Class MIB 3.20

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Part 38: XFS MIB Device Specific Definitions - Camera Device Class MIB 3.20

Part 39: XFS MIB Device Specific Definitions - Alarm Device Class MIB 3.20

Part 40: XFS MIB Device Specific Definitions - Card Embossing Unit Class MIB 3.20

Part 41: XFS MIB Device Specific Definitions - Cash-In Module Device Class MIB 3.20

Part 42: Reserved for future use.

Part 43: XFS MIB Device Specific Definitions - Vendor Dependent Mode Class MIB 3.20

Part 44: XFS MIB Application Management MIB 3.20

Part 45: XFS MIB Device Specific Definitions - Card Dispenser Device Class MIB 3.20

Part 46: XFS MIB Device Specific Definitions - Barcode Reader Device Class MIB 3.20

Part 47: XFS MIB Device Specific Definitions - Item Processing Module Device Class MIB 3.20

Parts 48 - 60 are reserved for future use.

Part 61: Application Programming Interface (API) - Service Provider Interface (SPI) - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 62: Printer and Scanning Device Class Interface Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 63: Identification Card Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 64: Cash Dispenser Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 65: PIN Keypad Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 66: Check Reader/Scanner Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 67: Depository Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 68: Text Terminal Unit Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 69: Sensors and Indicators Unit Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 70: Vendor Dependent Mode Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 71: Camera Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 72: Alarm Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 73: Card Embossing Unit Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 74: Cash-In Module Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 75: Card Dispenser Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 76: Barcode Reader Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

Part 77: Item Processing Module Device Class Interface - Migration from Version 3.10 (CWA 15748) to Version 3.20 (this CWA) - Programmer's Reference

In addition to these Programmer's Reference specifications, the reader of this CWA is also referred to a complementary document, called Release Notes. The Release Notes contain clarifications and explanations on

the CWA specifications, which are not requiring functional changes. The current version of the Release Notes is available online from <http://www.cen.eu/cen/Sectors/Sectors/ISSS/Activity/Pages/WSXFS.aspx>.

The information in this document represents the Workshop's current views on the issues discussed as of the date of publication. It is furnished for informational purposes only and is subject to change without notice. CEN/ISSS makes no warranty, express or implied, with respect to this document.

The final review/endorsement round for parts 29-47 of this CWA was started on 2014-06-23 and was successfully closed on 2014-07-23. The final text for parts 29-47 of this CWA was submitted to CEN for publication on 2014-08-22.

This CEN Workshop Agreement is publicly available as a reference document from the National Members of The following countries: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Comments or suggestions from the users of the CEN Workshop Agreement are welcome and should be addressed to the CEN-CENELEC Management Centre.

Revision History:

1.0	January 20, 2004	Initial release of XFS MIB specification.
1.10	April 15, 2007	Update of the MIB to add support for a Detailed Status Trap, a Device Reset capability and the support of SMIV2.
3.10	December 14, 2010	Update of the MIB to add support for a Capabilities table and to align the MIB with XFS 3.10.
3.20	March 28, 2014	Update release to align the MIB with XFS 3.20.

## 1. Introduction

---

This document provides the device specific MIB definition (Management Information Base) variables for the xfsCDM sub-tree version one, as foreseen by the *XFS MIB Architecture and SNMP Extensions Programmer's Reference* document. All the attributes in all the MIBs are Mandatory. In the case where a vendor's device does not support an attribute then a request for this unsupported attribute should return NULL.

The xfsCDM version one sub-tree is identified by:

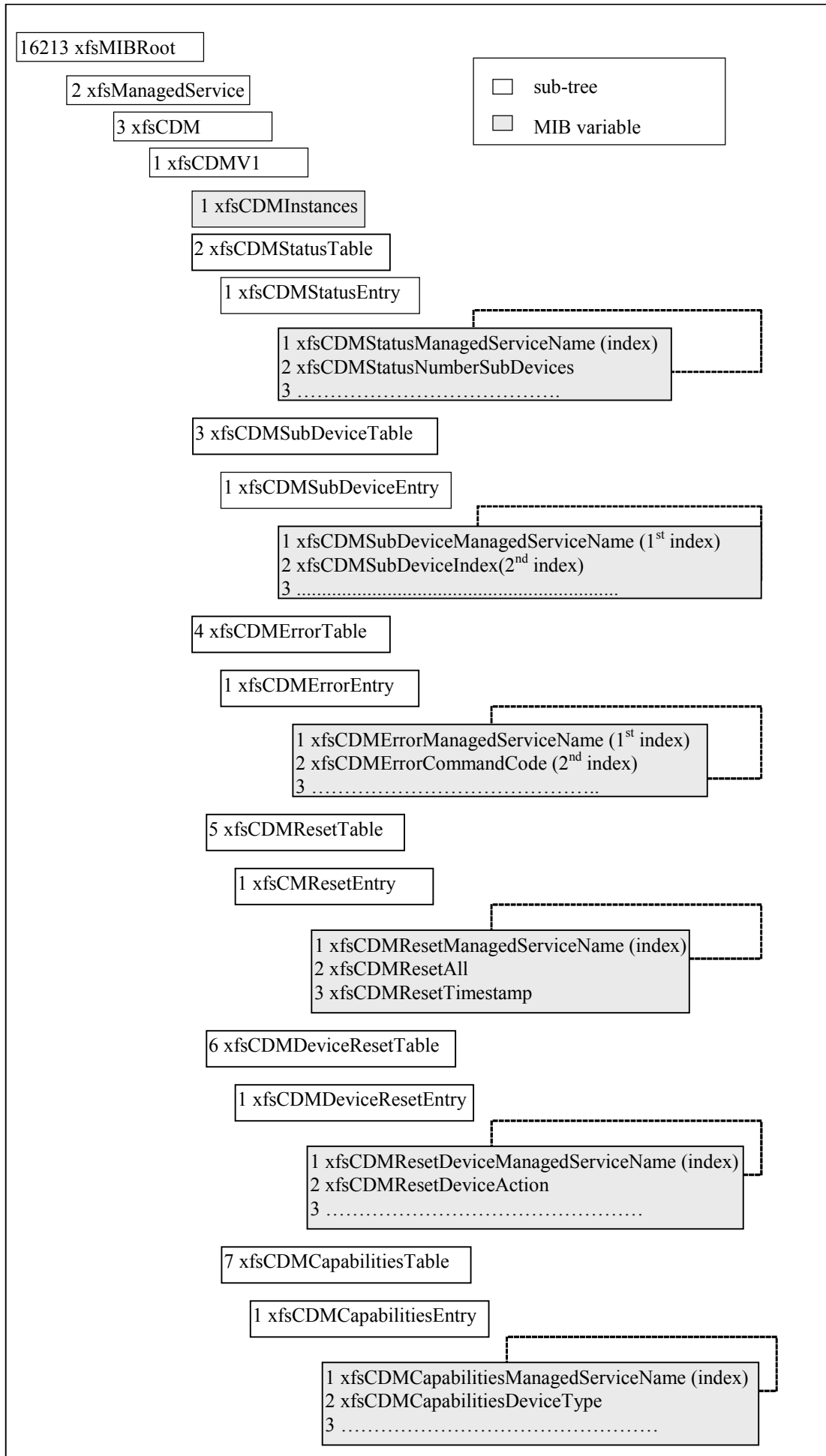
xfsMIBRoot

- xfsManagedService (2)
  - xfsCDM (3)
    - xfsCDMV1 (1)

The xfsCDMV1 sub-tree contains the following variables:

- \* *xfsCDMInstances(1)* is the number of managed services for the CDM class installed on the XFS subsystem. It is a 32 bit numerical field.
- \* *xfsCDMStatusTable(2)* identifies the table for the CDM variables.
- \* *xfsCDMSubDeviceTable(3)* identifies the sub-device table for the CDM device.
- \* *xfsCDMErrorTable(4)* identifies the table for the CDM error counters.
- \* *xfsCDMResetTable(5)* identifies the table for the CDM reset variable.
- \* *xfsCDMResetDeviceTable(6)* identifies the table for the CDM reset device variables.
- \* *xfsCDMCapabilitiesTable(7)* identifies the table for the CDM capabilities variables.

The *XFS MIB Architecture and SNMP Extensions Programmer's Reference* document provides an overview of the MIB structure. The following picture shows the structure of the *xfsCDMV1* sub-tree.





Section 3 describes how the Status, Sub-Device, Error, Reset, Reset Device and Capabilities tables apply to the CDM device class.

## 2. XFS CDM MIB variables

This section describes the MIB variables for the tables of the CDM Class. The description of the variables listed below includes, where it is meaningful, a reference to relevant data structures and commands defined inside the *Cash Dispenser Device Class Interface Programmer's Reference*. The following are some general notes pertaining to the MIB variables:

- All command response counters maintained by the Service Provider are persistent across re-boots.
- One application command may trigger only one command-related counter to be updated.
- One application command may trigger one or multiple status variables to be updated.
- All command response counters are read-writable unless otherwise specified.
- Each managed service has a Reset table that allows all the response counters to be reset.
- Each managed service has a Reset Device table that allows the WFS\_CMD\_CDM\_RESET command to be executed from the management station.

### 2.1 XFS CDM Status Table

The *xfsCDMStatusTable(2)* groups the variables identifying device status information, statistics and additional variables. It is indexed through a single parameter, *xfsCDMStatusManagedServiceName*. All device status variables are read-only.

Additional variables can be used to contain vendor-dependent variables. These variables do not start immediately after the standard variables in order to allow for expansion of the standard variables, the first additional variable can be added at position 1000.

*xfsCDMStatusManagedServiceName* is the instance identifier of the managed service and uniquely identifies one instance of the CDM class.

As an example, the identifier for the device status value of *xfsCDMSafeDoorStatus(4)* for a device with managed service name equal to "Dispenser1" is as follows:

Character	D	i	s	p	e	n	s	e	r	l
ASCII Hex	44	69	73	70	65	6E	73	65	72	31
ASCII Dec	68	105	115	112	101	110	115	101	114	49

NOTE: SNMP OID representation of strings consists of a length field specifying the number of characters in the string followed by the ASCII code in decimal for each character in the string. Therefore the OID of the above example is:

*xfsMIBRoot.2.3.1.2.1.4.10.68.105.115.112.101.110.115.101.114.49*

#### 2.1.1 xfsCDMStatusTable: States

The first three status variables are common across all device classes, the other variables are device class specific.

*xfsCDMStatusManagedServiceName* (1)  
Uniquely identifies the managed service

*xfsCDMStatusNumberSubDevices* (2)  
Defines how many sub-devices the service has. It is a numeric value.

*xfsCDMStatusDevice* (3)  
It contains the device state. It is a numeric type field. Allowed values are:

Value	Meaning
<i>xfsDevOnline</i> (1)	The device is present, powered on and online (i.e., operational, not busy processing a request and not in an error state).
<i>xfsDevOffline</i> (2)	The device is offline (e.g., the operator has taken the device offline by turning a switch or pulling out the device).
<i>xfsDevPowerOff</i> (3)	The device is powered off or physically not connected.

xfsDevNoDevice(4)	There is no device intended to be there; e.g. this type of self service machine does not contain such a device or it is internally not configured.
xfsDevHWError(5)	The device is present but inoperable due to a hardware fault that prevents it from being used.
xfsDevUserError(6)	The device is present but a person is preventing proper device operation. The application should suspend the device operation or remove the device from service until the Service Provider generates a device state change event indicating the condition of the device has changed e.g. the error is removed (WFS_CDM_DEVONLINE) or a permanent error condition has occurred (WFS_CDM_DEVHWERROR).
xfsDevBusy(7)	The device is busy and unable to process an execute command at this time.
xfsDevFraudAttempt(8)	The device is present but is inoperable because it has detected a fraud attempt.
xfsDevPotentialFraud(9)	The device has detected a potential fraud attempt and is capable of remaining in service.

xfsCDMStatusSafeDoor (4)

The state of the safe door. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMDoorNotSupported(2)	Physical device has no safe door or safe door state reporting is not supported.
xfsCDMDoorOpen(3)	Safe door is open.
xfsCDMDoorClosed(4)	Safe door is closed.
xfsCDMDoorUnknown(6)	Due to a hardware error or other condition, the state of the safe door cannot be determined.

xfsCDMStatusDispenser (5)

The state of the dispenser. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMDispenserOK(1)	All cash units present are in a good state.
xfsCDMDispenserCUState(2)	One or more of the cash units is in a low, empty, inoperative or manipulated condition. Items can still be dispensed from at least one of the cash units.
xfsCDMDispenserCUStop(3)	Due to a cash unit failure dispensing is impossible. No items can be dispensed because all of the cash units are in an empty, inoperative or manipulated condition. This state may also occur when a reject/retract cash unit is full or no reject/retract cash unit is present, or when an application lock is set on every cash unit.
xfsCDMDispenserCUUnknown(4)	Due to a hardware error or other condition, the state of the cash units cannot be determined.

xfsCDMStatusIntermediateStacker (6)

The state of the intermediate stacker. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMISEmpty(1)	The intermediate stacker is empty.
xfsCDMISNotEmpty(2)	The intermediate stacker is not empty. The items have not been in customer access.
xfsCDMISNotEmptyCust(3)	The intermediate stacker is not empty. The items have been in customer access.
xfsCDMISNotEmptyUnk(4)	The intermediate stacker is not empty. It is not known if the items have been in customer access.
xfsCDMISUnknown(5)	Due to a hardware error or other condition, the state of the intermediate stacker cannot be determined.
xfsCDMISNotSupported(6)	The physical device has no intermediate stacker.

xfsCDMStatusShutterCenter (7)

The state of the center output position shutter. It is a numeric type field. Allowed values are:

Value	Meaning
xfxCDMShtClosed(1)	The shutter is closed.
xfxCDMShtOpen(2)	The shutter is opened.
xfxCDMShtJammed(3)	The shutter is jammed.
xfxCDMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfxCDMShtNotSupported(5)	The physical device has no shutter or shutter state reported is not supported.

#### xfxCDMStatusOutputPositionCenter (8)

Information regarding items which may be at the center output position It is a numeric type field. Allowed values are:

Value	Meaning
xfxCDMPSEmpty(1)	The output position is empty.
xfxCDMPSNotEmpty(2)	The output position is not empty.
xfxCDMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfxCDMPSNotSupported(4)	The device is not capable of reporting whether or not items are at the output position.

#### xfxCDMStatusTransportCenter (9)

The state of the center output position transport mechanism. It is a numeric type field. Allowed values are:

Value	Meaning
xfxCDMTPOK(1)	The transport is in a good state.
xfxCDMTPInop(2)	The transport is inoperative due to a hardware failure or media jam.
xfxCDMTPUnknown(3)	Due to a hardware error or other condition, the state of the transport cannot be determined.
xfxCDMTPNotSupported(4)	The physical device has no transport or transport state is not supported.

#### xfxCDMStatusTransportStatusCenter (10)

The state of the items in the transport. It is a numeric type field. Allowed values are:

Value	Meaning
xfxCDMTPStateEmpty(1)	The transport is empty.
xfxCDMTPStateNotEmpty(2)	The transport is not empty.
xfxCDMTPStateNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfxCDMTPStateNotEmptyUnknown(4)	Due to a hardware error or other conditions, it is not known whether there are items on the transport.
xfxCDMTPStateNotSupported(5)	The device is not capable of reporting whether items are on the transport.

#### xfxCDMStatusShutterLeft (11)

The state of the shutter of left output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfxCDMShtClosed(1)	The shutter is closed.
xfxCDMShtOpen(2)	The shutter is opened.
xfxCDMShtJammed(3)	The shutter is jammed.
xfxCDMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfxCDMShtNotSupported(5)	The physical device has no shutter or shutter state reported is not supported.

#### xfxCDMStatusOutputPositionLeft (12)

The state of the cash tray of left output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfxCDMPSEmpty(1)	The output position is empty.

xfsCDMPSNotEmpty(2)	The output position is not empty.
xfsCDMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfsCDMPSNotSupported(4)	The device is not capable of reporting whether or not items are in the output position or the output position is not supported.

## xfsCDMStatusTransportLeft (13)

The state of the transport mechanism of left output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMTPOK(1)	The transport is in a good state.
xfsCDMTPInop(2)	The transport is inoperative due to a hardware failure or media jam.
xfsCDMTPIUnknown(3)	Due to a hardware error or other condition, the state of the transport cannot be determined.
xfsCDMTPINotSupported(4)	The physical device has no transport or transport state reported is not supported.

## xfsCDMStatusTransportStatusLeft (14)

The state of the items in the transport. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMTPIStateEmpty(1)	The transport is empty.
xfsCDMTPIStateNotEmpty(2)	The transport is not empty.
xfsCDMTPIStateNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfsCDMTPIStateNotEmptyUnknown(4)	Due to a hardware error or other conditions, it is not known whether there are items on the transport.
xfsCDMTPIStateNotSupported(5)	The device is not capable of reporting whether items are on the transport or left transport is not supported.

## xfsCDMStatusShutterRight (15)

The state of the shutter of right output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMShtClosed(1)	The shutter is closed.
xfsCDMShtOpen(2)	The shutter is opened.
xfsCDMShtJammed(3)	The shutter is jammed.
xfsCDMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfsCDMShtNotSupported(5)	The physical device has no shutter or shutter state reported is not supported.

## xfsCDMStatusOutputPositionRight (16)

The state of the cash tray of right output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMPSEmpty(1)	The output position is empty.
xfsCDMPSNotEmpty(2)	The output position is not empty.
xfsCDMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfsCDMPSNotSupported(4)	The device is not capable of reporting whether or not items are at the output position or the right output position is not supported.

## xfsCDMStatusTransportRight (17)

The state of the transport mechanism of right output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMTPOK(1)	The transport is in a good state.
xfsCDMTPInop(2)	The transport is inoperative due to a hardware failure or media jam.

xfscDMTPUnknown(3)	Due to a hardware error or other condition, the state of the transport cannot be determined.
xfscDMTPNotSupported(4)	The physical device has no transport or transport state reported is not supported.

## xfscDMStatusTransportStatusRight (18)

The state of the items in the transport. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMTPStateEmpty(1)	The transport is empty.
xfscDMTPStateNotEmpty(2)	The transport is not empty.
xfscDMTPStateNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscDMTPStateNotEmptyUnknown(4)	Due to a hardware error or other conditions, it is not known whether there are items on the transport.
xfscDMTPStateNotSupported(5)	The device is not capable of reporting whether items are on the transport or right transport is not supported.

## xfscDMStatusShutterTop (19)

The state of the shutter of top output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMShClosed(1)	The shutter is closed.
xfscDMShOpen(2)	The shutter is opened.
xfscDMShJammed(3)	The shutter is jammed.
xfscDMShUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscDMShNotSupported(5)	The physical device has no shutter or shutter state reported is not supported.

## xfscDMStatusOutputPositionTop (20)

The state of the cash tray of top output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMPSEmpty(1)	The output position is empty.
xfscDMPSNotEmpty(2)	The output position is not empty.
xfscDMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscDMPSNotSupported(4)	The device is not capable of reporting whether or not items are at the output position or top output position is not supported.

## xfscDMStatusTransportTop (21)

The state of the transport mechanism of top output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMTPOK(1)	The transport is in a good state.
xfscDMTPInop(2)	The transport is inoperative due to a hardware failure or media jam.
xfscDMTPUnknown(3)	Due to a hardware error or other condition, the state of the transport cannot be determined.
xfscDMTPNotSupported(4)	The physical device has no transport or transport state reported is not supported.

## xfscDMStatusTransportStatusTop (22)

The state of the items in the transport. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMTPStateEmpty(1)	The transport is empty.
xfscDMTPStateNotEmpty(2)	The transport is not empty.
xfscDMTPStateNotEmptyCust(3)	Items which a customer has had access to are on the transport.

xfsCDMTPStateNotEmptyUnknown(4)	Due to a hardware error or other conditions, it is not known whether there are items on the transport.
xfsCDMTPStateNotSupported(5)	The device is not capable of reporting whether items are on the transport or top transport is not supported.

## xfsCDMStatusShutterBottom (23)

The state of the shutter of bottom output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMShtClosed(1)	The shutter is closed.
xfsCDMShtOpen(2)	The shutter is opened.
xfsCDMShtJammed(3)	The shutter is jammed.
xfsCDMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfsCDMShtNotSupported(5)	The physical device has no shutter or shutter state reported is not supported.

## xfsCDMStatusOutputPositionBottom (24)

The state of the cash tray of bottom output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMPSEmpty(1)	The output position is empty.
xfsCDMPSNotEmpty(2)	The output position is not empty.
xfsCDMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfsCDMPSNotSupported(4)	The device is not capable of reporting whether or not items are at the output position or bottom output position is not supported.

## xfsCDMStatusTransportBottom (25)

The state of the transport mechanism of bottom output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMTPOK(1)	The transport is in a good state.
xfsCDMTPInop(2)	The transport is inoperative due to a hardware failure or media jam.
xfsCDMTPUndefined(3)	Due to a hardware error or other condition, the state of the transport cannot be determined.
xfsCDMTPNotsupported(4)	The physical device has no transport or transport state reported is not supported.

## xfsCDMStatusTransportStatusBottom (26)

The state of the items in the transport. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMTPStateEmpty(1)	The transport is empty.
xfsCDMTPStateNotEmpty(2)	The transport is not empty.
xfsCDMTPStateNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfsCDMTPStateNotEmptyUnknown(4)	Due to a hardware error or other conditions, it is not known whether there are items on the transport.
xfsCDMTPStateNotSupported(5)	The device is not capable of reporting whether items are on the transport or the transport is not supported.

## xfsCDMStatusShutterFront (27)

The state of the shutter of front output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMShtClosed(1)	The shutter is closed.
xfsCDMShtOpen(2)	The shutter is opened.
xfsCDMShtJammed(3)	The shutter is jammed.
xfsCDMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.

xfscDMShNotSupported(5) The physical device has no shutter or shutter state reported is not supported.

#### xfscDMStatusOutputPositionFront (28)

The state of the cash tray of front output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMPSEmpty(1)	The output position is empty.
xfscDMPSNotEmpty(2)	The output position is not empty.
xfscDMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscDMPSNotSupported(4)	The device is not capable of reporting whether or not items are at the output position or the output position is not supported.

#### xfscDMStatusTransportFront (29)

The state of the transport mechanism of front output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMTPOK(1)	The transport is in a good state.
xfscDMTPInop(2)	The transport is inoperative due to a hardware failure or media jam.
xfscDMTPUnknown(3)	Due to a hardware error or other condition, the state of the transport cannot be determined.
xfscDMTPNotSupported(4)	The physical device has no transport or transport state reported is not supported.

#### xfscDMStatusTransportStatusFront (30)

The state of the items in the transport. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMTPStateEmpty(1)	The transport is empty.
xfscDMTPStateNotEmpty(2)	The transport is not empty.
xfscDMTPStateNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscDMTPStateNotEmptyUnknown(4)	Due to a hardware error or other conditions, it is not known whether there are items on the transport.
xfscDMTPStateNotSupported(5)	The device is not capable of reporting whether items are on the transport or the transport is not supported.

#### xfscDMStatusShutterRear (31)

The state of the shutter of rear output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMShClosed(1)	The shutter is closed.
xfscDMShOpen(2)	The shutter is opened.
xfscDMShJammed(3)	The shutter is jammed.
xfscDMShUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscDMShNotSupported(5)	The physical device has no shutter or shutter state reported is not supported.

#### xfscDMStatusOutputPositionRear (32)

The state of the cash tray of rear output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMPSEmpty(1)	The output position is empty.
xfscDMPSNotEmpty(2)	The output position is not empty.
xfscDMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscDMPSNotSupported(4)	The device is not capable of reporting whether or not items are at the output position or the output position is not supported.



**xfscDMStatusTransportRear (33)**

The state of the transport mechanism of rear output position. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMTPOK(1)	The transport is in a good state.
xfscDMTPInop(2)	The transport is inoperative due to a hardware failure or media jam.
xfscDMTPUnknown(3)	Due to a hardware error or other condition, the state of the transport cannot be determined.
xfscDMTPNotSupported(4)	The physical device has no transport or transport state reported is not supported.

**xfscDMStatusTransportStatusRear (34)**

The state of the items in the transport. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMTPStateEmpty(1)	The transport is empty.
xfscDMTPStateNotEmpty(2)	The transport is not empty.
xfscDMTPStateNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscDMTPStateNotEmptyUnknown(4)	Due to a hardware error or other conditions, it is not known whether there are items on the transport.
xfscDMTPStateNotSupported(5)	The device is not capable of reporting whether items are on the transport or the transport is not supported.

**xfscDMStatusGuidancePosLeft (35)**

Contains the state of the guidance light at the left output position.

Value	XFS Name	Meaning
0x00000000	WFS_CDM_GUIDANCE_NOT_AVAILABLE	The status is not available.
0x00000001	WFS_CDM_GUIDANCE_OFF	The light is turned off.
0x00000004	WFS_CDM_GUIDANCE_SLOW_FLASH	The light is blinking slowly.
0x00000008	WFS_CDM_GUIDANCE_MEDIUM_FLASH	The light is blinking medium frequency.
0x00000010	WFS_CDM_GUIDANCE_QUICK_FLASH	The light is blinking quickly.
0x00000080	WFS_CDM_GUIDANCE_CONTINUOUS	The light is turned on continuous (steady).
0x00000100	WFS_CDM_GUIDANCE_RED	The light is red.
0x00000200	WFS_CDM_GUIDANCE_GREEN	The light is green.
0x00000400	WFS_CDM_GUIDANCE_YELLOW	The light is yellow.
0x00000800	WFS_CDM_GUIDANCE_BLUE	The light is blue.
0x00001000	WFS_CDM_GUIDANCE_CYAN	The light is cyan.
0x00002000	WFS_CDM_GUIDANCE_MAGENTA	The light is magenta.
0x00004000	WFS_CDM_GUIDANCE_WHITE	The light is white.

**xfscDMStatusGuidancePosRight (36)**

Contains the state of the guidance light indicator at the right output position. Allowed values the same as variable *xfscDMStatusGuidancePosLeft (35)*.

**xfscDMStatusGuidancePosCenter (37)**

Contains the state of the guidance light indicator at the center output position. Allowed values the same as variable *xfscDMStatusGuidancePosLeft (35)*.

**xfscDMStatusGuidancePosTop (38)**

Contains the state of the guidance light indicator at the top output position. Allowed values the same as variable *xfscDMStatusGuidancePosLeft (35)*.

**xfscDMStatusGuidancePosBottom (39)**

Contains the state of the guidance light indicator at the bottom output position. Allowed values the same as variable *xfscDMStatusGuidancePosLeft (35)*.

**xfscDMStatusGuidancePosFront (40)**

Contains the state of the guidance light indicator at the front output position. Allowed values the same as variable *xfscdmstatusguidanceposleft* (35).

#### *xfscdmstatusguidanceposrear* (41)

Contains the state of the guidance light indicator at the rear output position. Allowed values the same as variable *xfscdmstatusguidanceposleft* (35).

#### *xfscdmstatusdeviceposition* (42)

It contains the device position. It is a numeric type field. Allowed values are:

Value	Meaning
<i>xfscdmdeviceinposition</i> (1)	The device is in its normal operating position, or is fixed in place and cannot be moved.
<i>xfscdmdevicenotinposition</i> (2)	The device has been removed from its normal operating position.
<i>xfscdmdeviceposunknown</i> (3)	Due to a hardware error or other condition, the position of the device cannot be determined.
<i>xfscdmdeviceposnotsupp</i> (4)	The physical device does not have the capability of detecting the position.

#### *xfscdmstatuspowersavercoverytime* (43)

It contains the actual number of seconds required by the device to resume its normal operational state from the current power saving mode. This value is zero if either the power saving mode has not been activated or no power save control is supported. It is a numeric type field.

#### *xfscdmstatusantifraudmodule* (44)

Specifies the state of the anti-fraud module as one of the following values:

Value	Meaning
<i>xfscdmafmnotsupported</i> (1)	No anti-fraud module is available.
<i>xfscdmafmok</i> (2)	Anti-fraud module is in a good state and no foreign device is detected.
<i>xfscdmafmnotinop</i> (3)	Anti-fraud module is inoperable.
<i>xfscdmafmdevice detected</i> (4)	Anti-fraud module detected the presence of a foreign device.
<i>xfscdmafmunknown</i> (5)	The state of the anti-fraud module cannot be determined.

#### *xfscdmstatusextrastatus* (100)

It contains the vendor dependent additional device status information as an OCTET STRING. The information is returned as a series of "*key=value*" strings. Each string is null-terminated, with the final string terminating with two null characters. An empty list is indicated by two consecutive null characters.

## 2.2 XFS CDM SubDevice Table

The *xfscdmsubdevicetable*(3) groups the variables identifying information for the cash units. It is indexed through two values: *xfscdmsubdeviceindex*, and *xfscdmsubdevicemanagedservicename*. All sub-device variables are read-only.

*xfscdmsubdevicemanagedservicename* is the instance identifier of the managed service and uniquely identifies one instance of the CDM class. As an example, the identifier for the sub-device status value of *xfscdmsubdevicecutype*(3) for sub-device index 1 with managed service name equal to "Dispenser1" is as follows:

Character	D	i	s	p	e	n	s	e	r	l
ASCII Hex	44	69	73	70	65	6E	73	65	72	31
ASCII Dec	68	105	115	112	101	110	115	101	114	49

NOTE: SNMP OID representation of strings consists of a length field specifying the number of characters in the string followed by the ASCII code in decimal for each character in the string followed by which sub-device index is being referenced. Therefore the OID of the above example is:

*xfsmIBRoot.2.3.1.3.1.3.10.68.105.115.112.101.110.115.101.114.49.1*

## 2.2.1 xfsCDMSubDeviceTable:

The first two variables are common across all sub-devices, the other variables are sub-device specific.

It should be noted that in XFS the CDM specification uses a model whereby the Cash Units are represented in a logical /physical model where the data from one logical cash unit can be associated with the data from one or more physical cash units and vice versa. Therefore, in the CDM each Sub-Device represents data from one logical to one physical cash unit pairing. In XFS this information comes from the WFS\_INF\_CDM\_CASHUNITINFO command.

**xfscDMSubDeviceManagedServiceName (1)**  
Uniquely identifies the managed service

**xfscDMSubDeviceIndex (2)**  
Index to the sub-device table only. This variable has no relationship to the cash unit. This is an index (starting from 1) into the CDM Sub-device table.

**xfscDMSubDeviceCUType (3)**  
Type of the cash unit. It is a numeric type field. Allowed values are:

Value	Meaning
xfscDMTypeNA(2)	Not applicable. Typically means cash unit is missing.
xfscDMTypeRejectCassette(3)	Reject cash unit.
xfscDMTypeBillCassette(4)	Cash unit containing bills.
xfscDMTypeCoinCylinder(5)	Coin cylinder.
xfscDMTypeCoinDispenser(6)	Coin dispenser as a whole unit.
xfscDMTypeRetractCassette(7)	Retract cash unit.
xfscDMTypeCoupon(8)	Cash unit containing coupons or advertising materials.
xfscDMTypeDocument(9)	Cash unit containing documents.
xfscDMTypeRepContainer(12)	Replenishment container. A cash unit can be refilled from a replenishment container.
xfscDMTypeRecycling(13)	Replenishment container. This unit is only present when the device is a compound device with a CIM.

**xfscDMSubDeviceCUName (4)**  
A name which helps to identify the logical type of the cash unit. It is a DisplayString field.

**xfscDMSubDeviceCULUnitID (5)**  
Cash unit identifier. It is an OCTET STRING field.

**xfscDMSubDeviceCUCurrencyID (6)**  
A three character array storing the ISO format Currency ID. It is an OCTET STRING field.

**xfscDMSubDeviceCUValues (7)**  
Supplies the value of a single item in the cash unit. It is a numeric type field.

**xfscDMSubDeviceCULInitialCount (8)**  
Initial number of items contained in the logical cash unit. It is a numeric type field.

**xfscDMSubDeviceCULCount (9)**  
Initial number of items contained in the logical cash unit. It is a numeric type field.

**xfscDMSubDeviceCULRejectCount (10)**  
Number of items from this logical cash unit that went to the reject cassette, and which have not been accessible to a customer. It is a numeric type field.

xfsCDMSubDeviceCUMinimum (11)

A minimum threshold value for the logical cash unit. Not applicable for retract and reject cash units. It is a numeric type field.

xfsCDMSubDeviceCULMaximum (12)

A maximum threshold value for the logical cash unit. It is only applicable for Reject Cash Units. It is a numeric type field.

xfsCDMSubDeviceCUAppLock (13)

This field does not apply to reject or retract cash units. It is a TruthValue.  
 TRUE – items cannot be dispensed from the cash unit.  
 FALSE – items can be dispensed from the cash unit.

xfsCDMSubDeviceCULogicalStatus (14)

The status of the logical cash unit. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMCUStatusOK(1)	The cash unit is in a good state.
xfsCDMCUStatusFull(2)	The cash unit is full.
xfsCDMCUStatusHigh(3)	The cash unit is almost full (threshold defined by <i>ulMaximum</i> ).
xfsCDMCUStatusLow(4)	The cash unit is almost empty (threshold defined by <i>ulMinimum</i> ).
xfsCDMCUStatusEmpty(5)	The cash unit is empty.
xfsCDMCUStatusInop(6)	The cash unit is inoperative.
xfsCDMCUStatusMissing(7)	The cash unit is missing.
xfsCDMCUStatusNoval(8)	The values of the specified cash unit are not available.
xfsCDMCUStatusNoref(9)	There is no reference value available for the notes in this cash unit.
	The cash unit has not been calibrated.
xfsCDMCUStatusManip(10)	The cash unit has been changed when the device was not in the exchange state. This cash unit cannot be dispensed from.

xfsCDMSubDeviceCUPhysicalPositionName (15)

A name identifying the physical location of the cash unit within the CDM. This field can be used by CDMs which are compound with a CIM to identify shared cash units. It is a DisplayString field.

xfsCDMSubDeviceCUPUnitID (16)

Physical Cash unit identifier. It is an OCTET STRING field.

xfsCDMSubDeviceCUPInitialCount (17)

Initial number of items contained in the physical cash unit. It is a numeric type field.

xfsCDMSubDeviceCUPCount (18)

Actual number of items contained in the physical cash unit. It is a numeric type field.

xfsCDMSubDeviceCUPRejectCount (19)

Number of items that went to the reject bin from this physical cash unit. It is a numeric type field.

xfsCDMSubDeviceCUPMaximumCount (20)

The maximum number of items the physical cash unit can hold. It is a numeric type field.

xfsCDMSubDeviceCUPhysicalStatus (21)

The status of the physical cash unit. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCDMCUStatusOK(1)	The cash unit is in a good state.
xfsCDMCUStatusFull(2)	The cash unit is full.
xfsCDMCUStatusHigh(3)	The cash unit is almost full (threshold defined by <i>ulMaximum</i> ).
xfsCDMCUStatusLow(4)	The cash unit is almost empty (threshold defined by <i>ulMinimum</i> ).
xfsCDMCUStatusEmpty(5)	The cash unit is empty.
xfsCDMCUStatusInop(6)	The cash unit is inoperative.
xfsCDMCUStatusMissing(7)	The cash unit is missing.
xfsCDMCUStatusNoval(8)	The values of the specified cash unit are not available.

<i>xfsCDMCUStatusNoref</i> (9)	There is no reference value available for the notes in this cash unit. The cash unit has not been calibrated.
<i>xfsCDMCUStatusManip</i> (10)	The cash unit has been changed when the device was not in the exchange state. This cash unit cannot be dispensed from.

***xfsCDMSubDeviceCUHardwareSensor* (22)**

Specifies whether or not threshold events can be generated based on hardware sensor in the device. It is a TruthValue.

TRUE – threshold events generated on hardware sensors.

FALSE - threshold events NOT generated on hardware sensors.

***xfsCDMSubDeviceCUExponent* (23)**

The XFS Currency Exponent. It is a numeric type field.

***xfsCDMSubDeviceCULDispensedCount* (24)**

The number of items dispensed from all the physical cash units associated with this logical cash unit. It is a numeric type field.

***xfsCDMSubDeviceCULPresentedCount* (25)**

The number of items from all the physical cash units associated with this logical cash unit that have been presented to the customer. It is a numeric type field.

***xfsCDMSubDeviceCULRetractedCount* (26)**

The number of items that have been accessible to a customer and retracted into all physical cash units associated with this logical cash unit. It is a numeric type field.

***xfsCDMSubDeviceCUPDispensedCount* (27)**

The number of items dispensed from this physical cash unit. It is a numeric type field.

***xfsCDMSubDeviceCUPPresentedCount* (28)**

The number of items from this physical cash unit that have been presented to the customer. It is a numeric type field.

***xfsCDMSubDeviceCUPRetractedCount* (29)**

The number of items that have been retracted into this physical cash unit. It is a numeric type field.

## 2.3 XFS CDM Error Table

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The *xfsCDMErrorTable*(4) provides access to all command response counters supported by a device class. The error table contains the set of counters for every combination of executable command and associated response that the Service Provider supports. The counters report the number of times that a response has been returned from a particular command since the counts were last reset. Selection of the required counter is made by specifying the managed service name, command code and response code through the following parameters

*xfsCDMErrorManagedServiceName*  
*xfsCDMErrorCommandCode*  
*xfsCDMErrorResponseCode*

The *xfsCDMErrorTable* is defined as:

- *xfsCDMErrorManagedServiceName*(1) which provides the primary index to the service in question. It is Display String field. The *xfsCDMErrorManagedServiceName* parameter corresponds to the value of *xfsMIBRoot.xfsGeneral.xfsMIBV1.xfsManagedServiceTable.xfsManagedServiceEntry.xfsManagedServiceName* in the general table. e.g. “Dispenser1”.
- *xfsCDMErrorCommandCode*(2) is an index which identifies the command code that that response code is related to, e.g. WFS\_CMD\_CDM\_PRESENT (303). It is a 32 bit numerical field.
- *xfsCDMErrorResponseCode*(3) is an index which identifies the response code that the count is required for. It is the absolute value of the error code e.g. WFS\_ERR\_CDM\_SHUTTEROPEN (-313) is represented by 313. It is a 32 bit numerical field.

- *xfscdmErrorCount(4)* is the count of the number of times that a particular response code has been generated while executing a specific command, since they were last reset. It is a 32 bit numerical field.

All counter variables are read-write. Issue of a Set command on a specific counter with value *x* will result in the individual counter being set to value *x*.

As an example, the identifier for the error count value for WFS\_ERR\_CDM\_SHUTTEROPEN (-313) error returned from the WFS\_CMD\_CDM\_PRESENT (303) command for a device with managed service name equal to “Dispenser1” is as follows:

*xfsmIBRoot.2.3.1.4.1.4.10.68.105.115.112.101.110.115.101.114.49.303.313*

## 2.4 XFS CDM Reset Table

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The *xfscdmResetTable(5)* contains the *xfscdmResetAll* and *xfscdmResetTimestamp* variables and is indexed by the single variable, *xfscdmResetManagedServiceName*. When the *xfscdmResetAll* variable is set to 0 (zero), all the counters in the error table for the managed service are reset to 0 (zero). All other values are ignored.

The *xfscdmResetTable(5)* is defined as:

- *xfscdmResetManagedServiceName(1)* which provides the primary index to the service in question. It is Display String field. The *xfscdmResetManagedServiceName* parameter corresponds to the value of *xfsmIBRoot.xfsGeneral.xfsMIBV1.xfsManagedServiceTable.xfsManagedServiceEntry.xfsManagedServiceName* in the general table. E.g. “Dispenser1”.
- *xfscdmResetAll(2)* is a read-write variable. Issue of a Set command on the *xfscdmResetAll* variable with value 0 (zero) will result in all counters for the managed service being reset to value 0 (zero). Any other value will be ignored. A query of the *xfscdmResetAll* variable will return 0 (zero).
- *xfscdmResetTimestamp(3)* is a read-only variable which represents the UTC date and time when the counters in the error table was reset, it is a Display String field. The data is formatted in the following way: “DD/MM/YYYY HH:MM:SS +ZZZ” where DD/MM/YYYY HH:MM:SS is the local date and time. ZZZ is the bias, which is the difference, in minutes, between Coordinated Universal Time (UTC) and local time.

As an example, all the error counts can be reset for a device with managed service name equal to “Dispenser1” by setting the value zero in the *xfscdmResetAll(2)* variable represented by:

*xfsmIBRoot.2.3.1.5.1.2.10.68.105.115.112.101.110.115.101.114.49*

## 2.5 XFS CDM Reset Device Table

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The *xfscdmResetDeviceTable(6)* is indexed by the single variable, *xfscdmResetDeviceManagedServiceName*. This table contains variables which monitor and control the execution of the reset request.

The *xfscdmResetDeviceAction* variable is used to initiate a reset. Setting this variable will cause the following to happen:

1. The SNMP agent will determine if a Device Reset is allowed by checking the *RemoteDeviceResetAllowed* configuration flag (see XFS Common Management Configuration section, within the *XFS MIB Architecture and SNMP Extensions Programmer’s Reference* document). If it is not allowed then the flow continues with step 5, otherwise the flow continues with step 2.
2. Exclusive access to the device will be obtained.
3. A WFS\_CMD\_CDM\_RESET command will be issued.
4. Exclusive access to the device will be relinquished when the WFS\_CMD\_CDM\_RESET command completes. Note: Exclusive access must be relinquished as soon as possible and implemented in such a way that deadlocks are avoided.
5. A *xfscdmResetDeviceCompleteTrap* trap will be generated to report the result of the Device Reset request.

The *xfscdmResetDeviceTable(6)* is defined as:

- *xfscdmResetDeviceManagedServiceName(1)* which provides the index to the service in question. It is a Display String field. The *xfscdmResetDeviceManagedServiceName* parameter corresponds to the value of *xfsmibRoot.xfsGeneral.xfsMIBV1.xfsManagedServiceTable.xfsManagedServiceEntry.xfsManagedServiceName* in the general table. E.g. “Printer1”.
- *xfscdmResetDeviceAction(2)* is a read-write variable. Issue of a Set command on the *xfscdmResetDeviceAction* variable with value *executeReset(1)* will result in the device being reset as described above.
- *xfscdmResetDeviceMediaControl(3)* is a read only variable. This variable reports how any media found within the device is handled. The value of the *xfscdmResetDeviceMediaControl* variable is configured through the *ResetDeviceMediaControl* configuration setting (see Managed Service Configuration section, within the *XFS MIB Architecture and SNMP Extensions Programmer’s Reference* document). If this value is not configured then the variable defaults to the *mediaDefault* value that indicates that the Service Provider is responsible for media control. The detailed device specific media control information (e.g. CDM retract area to retract media to) is configured through local SNMP Agent configuration
- *xfscdmResetDeviceStatus(4)* is a read only variable This variable can be used to check if a reset operation is still in progress. It is set when the reset is initiated and cleared when the reset command completes.

As an example, the device with managed service name equal to “Dispenser1” is reset by setting the *xfscdmResetDeviceAction* variable represented by:

*xfsmibRoot.2.3.1.6.1.2.10.68.105.115.112.101.110.115.101.114.49*

## 2.6 XFS CDM Capabilities Table

The *xfscdmCapabilitiesTable(7)* groups the variables identifying device status information, statistics and additional variables. It is indexed through a single parameter, *xfscdmCapabilitiesManagedServiceName*. All device capabilities variables are read-only.

Additional variables can be used to contain vendor-dependent variables. These variables do not start immediately after the standard variables in order to allow for expansion of the standard variables, the first additional variable can be added at position 1000.

*xfscdmCapabilitiesManagedServiceName* is the instance identifier of the managed service and uniquely identifies one instance of the CDM class.

As an example, the identifier for the device status value of *xfscdmCapabilitiesDeviceType(2)* for a device with managed service name equal to “Dispenser1” is as follows:

Character	D	i	s	p	e	n	s	e	r	1
ASCII Hex	44	69	73	70	65	6E	73	65	72	31
ASCII Dec	68	105	115	112	101	110	115	101	114	49

NOTE: SNMP OID representation of strings consists of a length field specifying the number of characters in the string followed by the ASCII code in decimal for each character in the string. Therefore the OID of the above example is:

*xfsmibRoot.2.3.1.7.1.2.10.68.105.115.112.101.110.115.101.114.49*

### 2.6.1 xfscdmCapabilitiesTable: Capabilities

The first capabilities variable is common across all device classes, the other variables are device class specific.

*xfscdmCapabilitiesManagedServiceName (1)*  
Uniquely identifies the managed service

*xfscdmCapabilitiesDeviceType (2)*  
It is a numeric value defining the type of this CDM device.

Value	Meaning
xfsCDMTellerBill(1)	The device is a teller bill dispenser.
xfsCDMSelfServiceBill(2)	The device is a self service bill dispenser.
xfsCDMTellerCoin(3)	The device is a teller coin dispenser.
xfsCDMSelfServiceCoin(4)	The device is a self service coin dispenser.

xfsCDMCapabilitiesMaxDispenseItems (3)

Supplies the maximum number of items that can be dispensed. It is an integer variable.

xfsCDMCapabilitiesCompoundDevice (4)

Specifies if the logical device is part of a compound device in a TruthValue variable as follows.

Value	Meaning
True(1)	The device is a compound device.
False(2)	The device is not a compound device.

xfsCDMCapabilitiesShutter (5)

Specifies if shutter control through the commands WFS\_CMD\_CDM\_OPEN\_SHUTTER and WFS\_CMD\_CDM\_CLOSE\_SHUTTER is supported in a TruthValue variable as follows.

Value	Meaning
True(1)	Feature is supported.
False(2)	Feature is not supported.

xfsCDMCapabilitiesShutterControl (6)

If this TruthValue variable is TRUE the shutter is controlled implicitly by the Service Provider. If set to FALSE the shutter must be controlled explicitly by the application using the WFS\_CMD\_CDM\_OPEN\_SHUTTER and the WFS\_CMD\_CDM\_CLOSE\_SHUTTER commands. This field is always set to TRUE if the device has no shutter. This field applies to all shutters and all output positions.

Value	Meaning
True(1)	The shutter is controlled implicitly by the Service Provider.
False(2)	The shutter is not controlled implicitly by the Service Provider.

xfsCDMCapabilitiesRetractAreas (7)

This integer variable specifies the areas to which items may be retracted. If the device does not have a retract capability, this field will be WFS\_CDM\_RA\_NOTSUPP. Otherwise this field will be set to a combination of hex values according to the values in the following table:

Value	XFS Name	Meaning
0x0001	WFS_CDM_RA_RETRACT	Items may be retracted to a retract cash unit.
0x0002	WFS_CDM_RA_TRANSPORT	Items may be retracted to the transport.
0x0004	WFS_CDM_RA_STACKER	Items may be retracted to the intermediate stacker.
0x0008	WFS_CDM_RA_REJECT	Items may be retracted to a reject cash unit.
0x0010	WFS_CDM_RA_NOTSUPP	The CDM does not support the ability to retract.
0x0020	WFS_CDM_RA_ITEMCASSETTE	Items may be retracted to the item cassettes.

xfsCDMCapabilitiesRetractTransportActions (8)

This integer variable specifies the actions which may be performed on items which have been retracted to the transport. If the device does not have the capability to retract items to or from the transport, this value will be WFS\_CDM\_NOTSUPP. This field will be set to a combination of hex values according to the values in the following table:

Value	XFS Name	Meaning
0x0001	WFS_CDM_PRESENT	Items may be presented.



0x0002	WFS_CDM_RETRACT	Items may be retracted to a retract cash unit.
0x0004	WFS_CDM_REJECT	Items may be retracted to a reject bin.
0x0008	WFS_CDM_NOTSUPP	The CDM does not have the ability to retract from the transport.
0x0010	WFS_CDM_ITEMCASSETTE	Items may be retracted to the item cassettes.

#### xfscDMCapabilitiesRetractStackerActions (9)

This integer variable specifies the actions which may be performed on items which have been retracted to the stacker. If the device does not have the capability to retract items to or from the stacker, this value will be WFS\_CDM\_NOTSUPP. This field will be set to a combination of hex values according to the values in the following table:

Value	XFS Name	Meaning
0x0001	WFS_CDM_PRESENT	Items may be presented.
0x0002	WFS_CDM_RETRACT	Items may be retracted to a retract cash unit.
0x0004	WFS_CDM_REJECT	Items may be retracted to a reject bin.
0x0008	WFS_CDM_NOTSUPP	The CDM does not have the ability to retract from the transport.
0x0010	WFS_CDM_ITEMCASSETTE	Items may be retracted to the item cassettes.

#### xfscDMCapabilitiesSafeDoor (10)

Specifies whether the WFS\_CMD\_CDM\_OPEN\_SAFE\_DOOR command is supported in TruthValue format.

Value	Meaning
True(1)	The feature is supported.
False(2)	The feature is not supported.

#### xfscDMCapabilitiesCashbox (11)

It specifies whether or not the Tellers have been assigned a Cash Box in TruthValue format.

Value	Meaning
True(1)	Cash box is assigned.
False(2)	Cash box is not assigned.

#### xfscDMCapabilitiesIntermediateStacker (12)

Specifies if the device supports stacking items in an intermediate stacking position in the following TruthValue variable.

Value	Meaning
True(1)	The feature is supported.
False(2)	The feature is not supported.

#### xfscDMCapabilitiesItemsTakenSensor (13)

This TruthValue variable specifies whether or not the CDM can detect when items at the exit position are taken by the user. If set to TRUE the Service Provider generates an accompanying WFS\_SRVE\_CDM\_ITEMS\_TAKEN event. If set to FALSE this event is not generated. This field relates to all output positions.

Value	Meaning
True(1)	Feature is supported.
False(2)	Feature is not supported.

#### xfscDMCapabilitiesOutputPositions (14)

This integer variable specifies the CDM output positions which are available as a combination of hex values according to the values in the following table:

Value	XFS Name	Meaning
0x0000	WFS_CDM_POSNULL	No output position.
0x0001	WFS_CDM_POSLEFT	Left output position.
0x0002	WFS_CDM_POSRIGHT	Right output position.
0x0004	WFS_CDM_POSCENTER	Center output position.
0x0040	WFS_CDM_POSTOP	Top output position.
0x0080	WFS_CDM_POSBOTTOM	Bottom output position.
0x0800	WFS_CDM_POSFRONT	Front output position.
0x1000	WFS_CDM_POSREAR	Rear output position.

#### xfsCDMCapabilitiesMoveItems (15)

This integer variable specifies the CDM move item options which are available as a combination of hex values according to the values in the following table:

Value	XFS Name	Meaning
0x0001	WFS_CDM_FROMCU	The CDM can move items from the cash units to the intermediate stacker while there are items on the transport.
0x0002	WFS_CDM_TOCU	The CDM can retract items to the cash units while there are items on the intermediate stacker.
0x0004	WFS_CDM_TOTRANSPORT	The CDM can retract items to the transport while there are items on the intermediate stacker.

#### xfsCDMCapabilitiesExchangeTypes (16)

This integer variable specifies the type of cash unit exchange operations supported by the CDM. Values are a combination of hex values according to the values in the following table:

Value	XFS Name	Meaning
0x0001	WFS_CDM_EXBYHAND	The CDM supports manual replenishment either by filling the cash unit by hand or by replacing the cash unit.
0x0002	WFS_CDM_EXTOCASSETTES	The CDM supports moving items from the replenishment cash unit to another cash unit.

#### xfsCDMCapabilitiesGuidancePosLeft (17)

This integer variable specifies the guidance light capability at the left output position. Possible states are reported as a combination of hex values according to the values in the following table:

Value	XFS Name	Meaning
0x00000000	WFS_CDM_GUIDANCE_NOT_AVAILABLE	There is no guidance control available at this position.
0x00000001	WFS_CDM_GUIDANCE_OFF	The light can be off.
0x00000004	WFS_CDM_GUIDANCE_SLOW_FLASH	The light can blink slowly.
0x00000008	WFS_CDM_GUIDANCE_MEDIUM_FLASH	The light can blink medium frequency.
0x00000010	WFS_CDM_GUIDANCE_QUICK_FLASH	The light can blink quickly.
0x00000080	WFS_CDM_GUIDANCE_CONTINUOUS	The light can be continuous (steady).
0x00000100	WFS_CDM_GUIDANCE_RED	The light can be red.

0x0000200	WFS_CDM_GUIDANCE_GREEN	The light can be green.
0x0000400	WFS_CDM_GUIDANCE_YELLOW	The light can be yellow.
0x0000800	WFS_CDM_GUIDANCE_BLUE	The light can be blue.
0x0001000	WFS_CDM_GUIDANCE_CYAN	The light can be cyan.
0x0002000	WFS_CDM_GUIDANCE_MAGENTA	The light can be magenta.
0x0004000	WFS_CDM_GUIDANCE_WHITE	The light can be white.

**xfsCDMCapabilitiesGuidancePosRight (18)**

This integer variable specifies the guidance light capability at the right output position. Possible states are the same as variable *xfsCDMCapabilitiesGuidancePosLeft (17)*.

**xfsCDMCapabilitiesGuidancePosCenter (19)**

This integer variable specifies the guidance light capability at the center output position. Possible states are the same as variable *xfsCDMCapabilitiesGuidancePosLeft (17)*.

**xfsCDMCapabilitiesGuidancePosTop (20)**

This integer variable specifies the guidance light capability at the top output position. Possible states are the same as variable *xfsCDMCapabilitiesGuidancePosLeft (17)*.

**xfsCDMCapabilitiesGuidancePosBottom (21)**

This integer variable specifies the guidance light capability at the bottom output position. Possible states are the same as variable *xfsCDMCapabilitiesGuidancePosLeft (17)*.

**xfsCDMCapabilitiesGuidancePosFront (22)**

This integer variable specifies the guidance light capability at the front output position. Possible states are the same as variable *xfsCDMCapabilitiesGuidancePosLeft (17)*.

**xfsCDMCapabilitiesGuidancePosRear (23)**

This integer variable specifies the guidance light capability at the rear output position. Possible states are the same as variable *xfsCDMCapabilitiesGuidancePosLeft (17)*.

**xfsCDMCapabilitiesPowerSaveControl (24)**

It contains the capability of the power saving control. It is a TruthValue type field. Allowed values are:

Value	Meaning
True(1)	Power saving is supported.
False(2)	Power saving is not supported.

**xfsCDMCapabilitiesPrepareDispense (25)**

This TruthValue variable specifies whether or not the hardware requires the application to use the WFS\_CMD\_CDM\_PREPARE\_DISPENSE command to maximize transaction performance.

Value	Meaning
True(1)	Prepare dispense is supported.
False(2)	Prepare dispense is not supported.

**xfsCDMCapabilitiesAntiFraudModule (26)**

Specifies whether the anti-fraud module is available or not in a TruthValue variable as follows:

Value	Meaning
True(1)	The device has an anti-fraud module.
False(2)	The device does not have an anti-fraud module.

**xfsCDMCapabilitiesExtraCapability (100)**

It contains vendor dependent additional device capability information as an OCTET STRING. The information is returned as a series of “key=value” strings. Each string is null-terminated, with the final string terminating with two null characters.

### 3. CDM Traps

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The following sections define XFS Traps that are specific to the CDM device class.

#### 3.1 CDM Detailed Device Status Change Trap

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Status changes within managed services are reported as system events to the XFS Agent. The following section explicitly defines the format of the CDM Detailed Device Status Change trap. However, the format is split into two sections; the fields that are common to all device specific traps and the fields that are specific to each device class. The common fields are defined in the *XFS MIB Architecture and SNMP Extensions Programmer's Reference* document. The fields that are specific to the CDM reflect the CDM Status Table as defined in section 3.1.

The detailed device status change event is only generated when the top level status changes within a managed service, i.e. the trap is generated when the *fwDevice* value in the WFS\_INF\_CDM\_STATUS response has changed. In addition, this trap is only generated on version 1.1 of the MIB and higher and is sent in addition to the summary device status change trap.

The SNMP Specific trap value 103 defines the trap as a CDM Detailed Device Status Change trap. In the following section, the numbers in parenthesis at the end of each binding just indicate the sequence of the variable bindings within the trap, they do not represent an OID value.

##### 3.1.1 CDM Detailed Device Status Change Trap Format

The following defines the variable bindings included in the CDM Detailed Device Status Change Trap.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSysName (1)

This variable binding contains the system generating the alarm, it is a Display String field. It corresponds to *lpszWorkstationName* in the device status change event data from the Service Provider.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceName (2)

This variable binding represents the managed service name generating the alarm, it is a Display String field. The agent derives this field from the device status change event.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClass (3)

This variable binding represents the XFS service class identifier generating the alarm, it is a 32-bit integer (INT32). It corresponds to the class identifier for the class name. The class name is identified from the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\<ManagedServiceName>\class. This ID matches the class OID branch number i.e. PTR=1, IDC=2, CDM=3, etc. See the *XFS MIB Architecture and SNMP Extensions Programmer's Reference* document for a complete list of these values.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClassName (4)

This variable binding represents the XFS service class name generating the alarm, it is a Display String field. It corresponds to the three character representation of the XFS device class name, and it is useful for human interpretation of a trap. The class name is identified from the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\<ManagedServiceName>\class.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceType (5)

This variable binding represents the XFS type identifier generating the alarm, it is a 32-bit integer (INT32). It corresponds to the type identifier as defined in the WFS\_INF\_CDM\_CAPABILITIES.*fwType* field.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceOid (6)

This variable binding represents the OID of the sub-tree within *xfsManagedService* defining the management information for this class of managed service. This variable, along with the managed service name as an index, prevents the need for additional querying to find the service specific MIB branch. The CDM MIB class is represented by .1.3.6.1.4.1.16213.2.3

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapPhysicalDeviceName (7)

This variable binding represents the physical device name or names associated with the managed service generating the alarm, it is a Display String field. It corresponds to the physical device name or names identified by the managed service. The managed service name is used to identify the physical device name or

names, from registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\*<ManagedServiceName>*\PhysicalDeviceName. Multiple physical device names are comma separated

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDeviceVendor (8)

This variable binding represents the XFS device vendor name of the device generating the alarm, it is a Display String field. It corresponds to the vendor name for the Service Provider. The Service Provider is identified from the managed service name and the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\*<ManagedServiceName>*\ServiceProvider.

The Service Provider name is then used to identify the vendor, from the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\SERVICE\_PROVIDERS\*<ServiceProviderName>*\vendor\_name.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapMIBVersion (9)

This variable binding represents the XFS MIB version of the device generating the alarm, it is a Display String field. It corresponds to the XFS MIB version for the managed service. The managed service name is used to identify the XFS MIB version, from registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\*<ManagedServiceName>*\MibVersion.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapEvent (10)

In case of XFS this variable binding represents the XFS event generating the alarm, it is a 32-bit integer (INT32). It corresponds to u.dwEventID in the event data from the Service Provider. See the Application Programming Interface (API) - Service Provider Interface (SPI); Programmer's Reference for a complete description of the event structure.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDate (11)

This variable represents the UTC and bias for local translation of the date and time when the event was generated. It is a Display String field. The data is formatted in the following way: "DD/MM/YYYY HH:MM:SS +ZZZ" where DD/MM/YYYY HH:MM:SS is the local date and time. ZZZ is the bias, which is the difference, in minutes, between Co-ordinated Universal Time (UTC) and local time.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSPVersion (12)

This variable represents the vendor-defined version of the Service Provider generating the alarm, it is a Display String field. The Service Provider is identified from the managed service name and the registry value HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\*<ManagedServiceName>*\ServiceProvider.

The Service Provider name is then used to identify the version, from the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\SERVICE\_PROVIDERS\*<ServiceProviderName>*\version.

xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.**xfsCDMStatusDevice**.xfsCDMStatusManagedServiceName (13)

This variable binding represents the current state of the physical device managed by the service. It is a 32 bit integer (INT32).

xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.**xfsCDMStatusNumberSubDevices**.xfsCDMStatusManagedServiceName (14)

Defines how many sub-devices the service has. This is the number of cash units the device supports.

xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.**xfsCDMStatusSafeDoor**.xfsCDMStatusManagedServiceName (15)

It contains the state of the safe door. It is a numeric type field.

xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.**xfsCDMStatusDispenser**.xfsCDMStatusManagedServiceName (16)

It contains the state of the dispenser. It is a numeric type field.

xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.**xfsCDMStatusIntermediateStacker**.xfsCDMStatusManagedServiceName (17)

It contains the state of the intermediate stacker. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterCenter.xfsCDMStatusManagedServiceName (18)**

It contains the state of the center output position shutter. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionCenter.xfsCDMStatusManagedServiceName (19)**

It contains information regarding items which may be at the center output position. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportCenter.xfsCDMStatusManagedServiceName (20)**

It contains the state of the center output position transport mechanism. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusCenter.xfsCDMStatusManagedServiceName (21)**

It contains the state of the items in the center output position transport. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterLeft.xfsCDMStatusManagedServiceName (22)**

It contains the state of the left output position shutter. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionLeft.xfsCDMStatusManagedServiceName (23)**

It contains information regarding items which may be at the left output position. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportLeft.xfsCDMStatusManagedServiceName (24)**

It contains the state of the left output position transport mechanism. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusLeft.xfsCDMStatusManagedServiceName (25)**

It contains the state of the items in the left output position transport. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterRight.xfsCDMStatusManagedServiceName (26)**

It contains the state of the right output position shutter. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionRight.xfsCDMStatusManagedServiceName (27)**

It contains information regarding items which may be at the right output position. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportRight.xfsCDMStatusManagedServiceName (28)**

It contains the state of the right output position transport mechanism. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusRight.xfsCDMStatusManagedServiceName (29)**

It contains the state of the items in the right output position transport. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterTop.xfsCDMStatusManagedServiceName (30)**

It contains the state of the top output position shutter. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionTop.xfsCDMStatusManagedServiceName (31)**

It contains information regarding items which may be at the top output position. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportTop.xfsCDMStatusManagedServiceName (32)**

It contains the state of the top output position transport mechanism. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusTop.xfsCDMStatusManagedServiceName` (33)

It contains the state of the items in the top output position transport. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterBottom.xfsCDMStatusManagedServiceName` (34)

It contains the state of the bottom output position shutter. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionBottom.xfsCDMStatusManagedServiceName` (35)

It contains information regarding items which may be at the bottom output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportBottom.xfsCDMStatusManagedServiceName` (36)

It contains the state of the bottom output position transport mechanism. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusBottom.xfsCDMStatusManagedServiceName` (37)

It contains the state of the items in the bottom output position transport. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterFront.xfsCDMStatusManagedServiceName` (38)

It contains the state of the front output position shutter. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionFront.xfsCDMStatusManagedServiceName` (39)

It contains information regarding items which may be at the front output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportFront.xfsCDMStatusManagedServiceName` (40)

It contains the state of the front output position transport mechanism. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusFront.xfsCDMStatusManagedServiceName` (41)

It contains the state of the items in the front output position transport. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterRear.xfsCDMStatusManagedServiceName` (42)

It contains the state of the rear output position shutter. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionRear.xfsCDMStatusManagedServiceName` (43)

It contains information regarding items which may be at the rear output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportRear.xfsCDMStatusManagedServiceName` (44)

It contains the state of the rear output position transport mechanism. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusRear.xfsCDMStatusManagedServiceName` (45)

It contains the state of the items in the rear output position transport. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusExtraStatus.xfsCDMStatusManagedServiceName` (46)

It contains the vendor dependent additional device status information as an OCTET STRING. The information is returned as a series of "key=value" strings. Each string is null-terminated, with the final string terminating with two null characters.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosLeft.xfsCDMStatusManagedServiceName` (47)

It contains the state of the guidance light indicator at the left output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosRight.xfsCDMStatusManagedServiceName` (48)

It contains the state of the guidance light indicator at the right output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosCenter.xfsCDMStatusManagedServiceName` (49)

It contains the state of the guidance light indicator at the center output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosTop.xfsCDMStatusManagedServiceName` (50)

It contains the state of the guidance light indicator at the top output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosBottom.xfsCDMStatusManagedServiceName` (51)

It contains the state of the guidance light indicator at the bottom output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosFront.xfsCDMStatusManagedServiceName` (52)

It contains the state of the guidance light indicator at the front output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosRear.xfsCDMStatusManagedServiceName` (53)

It contains the state of the guidance light indicator at the rear output position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusDevicePosition.xfsCDMStatusManagedServiceName`(54)

It contains the device position. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusPowerSaveRecoveryTime.xfsCDMStatusManagedServiceName` (55)

It contains the actual number of seconds required by the device to resume its normal operational state from the current power saving mode. It is a numeric type field.

`xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusAntiFraudModule.xfsCDMStatusManagedServiceName` (56)

Specifies the state of the anti-fraud module. It is a numeric type field.

### 3.1.2 CDM Detailed Device Status Change Trap: an example

As an example, the following variable binding list represents a detailed device status change trap (6, 103) that is generated for a CDM with a managed service name of “Dispenser1”. It reports that the device is OFFLINE because the front shutter is jammed.

<code>xfsMIBRoot.3.1.3.1</code>	<code>(xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSysName)</code>
	“SST System 1”
<code>xfsMIBRoot.3.1.3.2</code>	<code>(xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceName)</code>
	“Dispenser1”
<code>xfsMIBRoot.3.1.3.3</code>	<code>(xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClasses)</code>
	3 (WFS_SERVICE_CLASS_CDM)
<code>xfsMIBRoot.3.1.3.4</code>	<code>(xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClasses)</code>



	sName)
	“CDM”
xfsmIBRoot.3.1.3.5	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceType)
	1 (WFS_CDM_SELFERVICEBILL)
xfsmIBRoot.3.1.3.6	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceOid)
	“1.3.6.1.4.1.16213.2.3”
xfsmIBRoot.3.1.3.7	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapPhysicalDeviceName)
	“ABC Corp Dispenser”
xfsmIBRoot.3.1.3.8	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDeviceVendor)
	“Best Devices Incorporated”
xfsmIBRoot.3.1.3.9	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapMIBVersion)
	“1.10”
xfsmIBRoot.3.1.3.10	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapEvent)
	4 (WFS_SYSE_DEVICE_STATUS)
xfsmIBRoot.3.1.3.11	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDate)
	“20/03/2003 15:40:53 -300”
xfsmIBRoot.3.1.3.12	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSPVersion)
	“1.23”
xfsmIBRoot.2.3.1.2.1.3.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusDevice.xfsCDMStatusManagedServiceName)
	2 (WFS_STAT_DEVOFFLINE)
xfsmIBRoot.2.3.1.2.1.2.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusNumberSubDevices.xfsCDMStatusManagedServiceName)
	2 (Two sub device)
xfsmIBRoot.2.3.1.2.1.4.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusSafeDoor.xfsCDMStatusManagedServiceName)
	2 (xfsCDMDoorNotSupported)
xfsmIBRoot.2.3.1.2.1.5.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusDispenser.xfsCDMStatusManagedServiceName)
	1 (xfsCDMDispenserOK)
xfsmIBRoot.2.3.1.2.1.6.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusIntermediateStacker.xfsCDMStatusManagedServiceName)
	1 (xfsCDMISEmpty)
xfsmIBRoot.2.3.1.2.1.7.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterCenter.xfsCDMStatusManagedServiceName)
	5 (xfsCDMShtNotSupported)
xfsmIBRoot.2.3.1.2.1.8.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionCenter.xfsCDMStatusManagedServiceName)
	4 (xfsCDMPSNotSupported)
xfsmIBRoot.2.3.1.2.1.9.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportCenter.xfsCDMStatusManagedServiceName)
	4 (xfsCDMTPNotSupported)
xfsmIBRoot.2.3.1.2.1.10.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusCenter.xfsCDMStatusManagedServiceName)
	5 (xfsCDMTPStateNotSupported)

xfsMIBRoot.2.3.1.2.1. <b>11.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterLeft</b> .xfsCDMStatusManagedServiceName) 5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>12.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionLeft</b> .xfsCDMStatusManagedServiceName) 4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>13.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportLeft</b> .xfsCDMStatusManagedServiceName) 4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>14.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusLeft</b> .xfsCDMStatusManagedServiceName) 5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>15.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterRight</b> .xfsCDMStatusManagedServiceName) 5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>16.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionRight</b> .xfsCDMStatusManagedServiceName) 4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>17.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportRight</b> .xfsCDMStatusManagedServiceName) 4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>18.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusRight</b> .xfsCDMStatusManagedServiceName) 5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>19.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterTop</b> .xfsCDMStatusManagedServiceName) 5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>20.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionTop</b> .xfsCDMStatusManagedServiceName) 4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>21.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportTop</b> .xfsCDMStatusManagedServiceName) 4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>22.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusTop</b> .xfsCDMStatusManagedServiceName) 5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>23.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterBottom</b> .xfsCDMStatusManagedServiceName) 5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>24.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionBottom</b> .xfsCDMStatusManagedServiceName) 4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>25.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportBottom</b> .xfsCDMStatusManagedServiceName) 4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>26.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusBottom</b> .xfsCDMStatusManagedServiceName) 5 (xfsCDMTPStateNotSupported)

xfsMIBRoot.2.3.1.2.1. <b>27.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterFront</b> .xfsCDMStatusManagedServiceName)
	3 (xfsCDMShtJammed)
xfsMIBRoot.2.3.1.2.1. <b>28.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionFront</b> .xfsCDMStatusManagedServiceName)
	1 (xfsCDMPSEmpty)
xfsMIBRoot.2.3.1.2.1. <b>29.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportFront</b> .xfsCDMStatusManagedServiceName)
	1 (xfsCDMTPOK)
xfsMIBRoot.2.3.1.2.1. <b>30.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusFront</b> .xfsCDMStatusManagedServiceName)
	1 (xfsCDMTPStateEmpty)
xfsMIBRoot.2.3.1.2.1. <b>31.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterRear</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>32.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionRear</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>33.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportRear</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>34.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusRear</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>100.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusExtraStatus</b> .xfsCDMStatusManagedServiceName)
	"\0" ( No extra data )
xfsMIBRoot.2.3.1.2.1. <b>35.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosLeft</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT_AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>36.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosRight</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT_AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>37.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosCenter</b> .xfsCDMStatusManagedServiceName)
	1 (value corresponding to WFS_CDM_GUIDANCE_OFF)
xfsMIBRoot.2.3.1.2.1. <b>38.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosTop</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT_AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>39.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosBottom</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT_AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>40.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosFront</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT_AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>41.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosRear</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT_AVAILABLE)

xfsmIBRoot.2.3.1.2.1.42.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusDevicePosition</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMstatusDeviceInPosition)
xfsmIBRoot.2.3.1.2.1.43.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusPowerSaveRecoveryTime</b> .xfsCDMStatusManagedServiceName)
	0 (Power save control is not supported)
xfsmIBRoot.2.3.1.2.1.44.Index	(xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusAntiFraudModule</b> .xfsCDMStatusManagedServiceName)
	2 (xfsCDMAFMOK)

## 3.2 CDM Sub-Device Status Change Trap

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On the CDM device class the Sub Device Status change traps are sent when WFS\_SRVE\_CDM\_CASHUNITINFOCHANGED event is generated.

The definition of the content of the device specific fields within the Sub-Device Status trap (fields 12-33) is defined in section 3.2.

The SNMP Specific trap value 203 defines the trap as a CDM Sub-Device Device Status Change trap.

### 3.2.1 CDM Sub-Device Status Change Trap Format

The following defines the variable bindings included in the CDM Sub-Device Status Change Trap. In the following section, the numbers in parenthesis at the end of each binding just indicate the sequence of the variable bindings within the trap, they do not represent an OID value.

`xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceName (1)`

This variable binding represents the managed service name generating the alarm, it is a Display String field. The agent derives this field from the device status change event.

`xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClass (2)`

This variable binding represents the XFS service class identifier generating the alarm, it is a 32-bit integer (INT32). It corresponds to the class identifier for the class name. The class name is identified from the registry value

`HKEY_LOCAL_MACHINE\SOFTWARE\XFS\MANAGEMENT_PROVIDERS\<ManagedServiceName>\class`. This ID matches the class OID branch number i.e. PTR=1, IDC=2, CDM=3, etc.

`xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClassName (3)`

This variable binding represents the XFS service class name generating the alarm, it is a Display String field. It corresponds to the three character representation of the XFS device class name, and it is useful for human interpretation of a trap. The class name is identified from the registry value

`HKEY_LOCAL_MACHINE\SOFTWARE\XFS\MANAGEMENT_PROVIDERS\<ManagedServiceName>\class`.

`xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceType (4)`

This variable binding represents the XFS type identifier generating the alarm, it is a 32-bit integer (INT32). It corresponds to the type identifier as defined in the `WFS_INF_CDM_CAPABILITIES.fwType` field.

`xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceOid (5)`

This variable binding represents the OID of the sub-tree within `xfsmManagedService` defining the management information for this class of managed service. This variable, along with the managed service name as an index, prevents the need for additional querying to find the service specific MIB branch. The CDM MIB class is represented by `.1.3.6.1.4.1.16213.2.3`

`xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapPhysicalDeviceName (6)`

This variable binding represents the physical device name or names associated with the managed service generating the alarm, it is a Display String field. It corresponds to the physical device name or names identified by the managed service. The managed service name is used to identify the physical device name or names, from registry value

`HKEY_LOCAL_MACHINE\SOFTWARE\XFS\MANAGEMENT_PROVIDERS\<ManagedServiceName>\PhysicalDeviceName`. Multiple physical device names are comma separated.

`xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDeviceVendor (7)`

This variable binding represents the XFS device vendor name of the device generating the alarm, it is a Display String field. It corresponds to the vendor name for the Service Provider. The Service Provider is identified from the managed service name and the registry value

`HKEY_LOCAL_MACHINE\SOFTWARE\XFS\MANAGEMENT_PROVIDERS\<ManagedServiceName>\ServiceProvider`.

The Service Provider name is then used to identify the vendor, from the registry value

`HKEY_LOCAL_MACHINE\SOFTWARE\XFS\SERVICE_PROVIDERS\<ServiceProviderName>\vendor_name`.

`xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapMIBVersion (8)`

This variable binding represents the XFS MIB version of the device generating the alarm, it is a Display String field. It corresponds to the XFS MIB version for the managed service. The managed service name is used to identify the XFS MIB version, from registry value  
HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\*ManagedServiceName*\MibVersion.

xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapEvent (9)

The XFS event generating the alarm, it is a 32-bit integer (INT32). It corresponds to the message identifier associated with the XFS event generated by the Service Provider. For the CDM this corresponds to the WFS\_SRVE\_CDM\_CASHUNITINFOCHANGED event.

xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDate (10)

This variable represents the UTC and bias for local translation of the date and time when the event was generated. It is a Display String field. The data is formatted in the following way: "DD/MM/YYYY HH:MM:SS +ZZZ" where DD/MM/YYYY HH:MM:SS is the local date and time. ZZZ is the bias, which is the difference, in minutes, between Co-ordinated Universal Time (UTC) and local time.

xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSPVersion (11)

This variable represents the vendor-defined version of the Service Provider generating the alarm, it is a Display String field. The Service Provider is identified from the managed service name and the registry value  
HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\*ManagedServiceName*\ServiceProvider.

The Service Provider name is then used to identify the version, from the registry value  
HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\SERVICE\_PROVIDERS\*ServiceProviderName*\version.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfscDMSubDeviceIndex**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (12)

Index identifying the sub-device.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfscDMSubDeviceCUType**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (13)

Type of the cash unit. It is a numeric type field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfscDMSubDeviceCUName**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (14)

A name which helps to identify the logical type of the cash unit. It is a DisplayString field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfscDMSubDeviceCULUnitID**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (15)

Cash unit identifier. It is an OCTET STRING field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfscDMSubDeviceCUCurrencyID**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (16)

A three character array storing the ISO format Currency ID. It is an OCTET STRING field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfscDMSubDeviceCUValues**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (17)

Supplies the value of a single item in the cash unit. It is a numeric type field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfscDMSubDeviceCULInitialCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (18)

Initial number of items contained in the logical cash unit. It is a numeric type field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfscDMSubDeviceCULCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (19)

Initial number of items contained in the logical cash unit. It is a numeric type field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfscDMSubDeviceCULRejectCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (20)

Number of items from this logical cash unit that went to the reject cassette. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUMinimum**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (21)  
A minimum threshold value for the logical cash unit. Not applicable for Retract and Reject Cash Units. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCULMaximum**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (22)  
A maximum threshold value for the logical cash unit. It is only applicable for Reject Cash Units. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUAppLock**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (23)  
This field does not apply to reject or retract cash units. It is a TruthValue.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCULogicalStatus**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (24)  
The status of the logical cash unit. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPhysicalPositionName**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (25)  
A name identifying the physical location of the cash unit within the CDM. This field can be used by CDMs which are compound with a CIM to identify shared cash units. It is a DisplayString field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPUnitID**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (26)  
Physical Cash unit identifier. It is an OCTET STRING field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPInitialCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (27)  
Initial number of items contained in the physical cash unit. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (28)  
Actual number of items contained in the physical cash unit. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPRejectCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (29)  
Number of items that went to the reject bin from this physical cash unit. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPMaximumCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (30)  
The maximum number of items the physical cash unit can hold. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPhysicalStatus**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (31)  
The status of the physical cash unit. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUHardwareSensor**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (32)  
Specifies whether or not threshold events can be generated based on hardware sensor in the device. It is a TruthValue.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUExponent**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (33)  
The XFS Currency Exponent. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCULDispensedCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (34)  
The number of items dispensed from all the physical cash units associated with this logical cash unit. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCULPresentedCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (35)

The number of items from all the physical cash units associated with this logical cash unit that have been presented to the customer. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCULRetractedCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (36)

The number of items that have been retracted into all physical cash units associated with this logical cash unit. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPDispensedCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (37)

The number of items dispensed from this physical cash unit. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPPresentedCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (38)

The number of items from this physical cash unit that have been presented to the customer. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.**xfCDMSubDeviceCUPRetractedCount**.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex (39)

The number of items that have been retracted into this physical cash unit. It is a numeric type field.

### 3.2.2 CDM Sub-Device Status Change Trap: an example

As an example, the following variable binding list represents a CDM sub-device status change trap (6, 203) generated from a generic XFS SST system. This trap sends an alarm to the SNMP Manager when a WFS\_SRVE\_CDM\_CASHUNITINFOCHANGE event is generated.

xfMIBRoot.3.1.3.2	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceName)
	"Dispenser1"
xfMIBRoot.3.1.3.3	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClass)
	1 (WFS_SERVICE_CLASS_CDM)
xfMIBRoot.3.1.3.4	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClassName)
	"CDM"
xfMIBRoot.3.1.3.5	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceType)
	1 (WFS_CDM_SELFSERVICEBILL)
xfMIBRoot.3.1.3.6	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceOid)
	".1.3.6.1.4.1.16213.2.3"
xfMIBRoot.3.1.3.7	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapPhysicalDeviceName)
	"ABC Corp Dispenser"
xfMIBRoot.3.1.3.8	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDeviceVendor)
	"Best Devices Incorporated"
xfMIBRoot.3.1.3.9	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapMIBVersion)
	"1.10"
xfMIBRoot.3.1.3.10	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapEvent)



	304 (WFS SRVE_CDM_CASHUNITINFOCHANGED)
xfsMIBRoot.3.1.3.1.1	(xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDate)
	"20/03/2003 15:40:53 -300"
xfsMIBRoot.3.1.3.1.2	(xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSPVersion)
	"1.23"
xfsMIBRoot.2.3.1.3.1.2.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceIndex.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	1 (Index to first sub device)
xfsMIBRoot.2.3.1.3.1.3.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUType.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	4 (xfsCDMTypeBillCassette)
xfsMIBRoot.2.3.1.3.1.4.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUName.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	"10 Euro Cash Unit"
xfsMIBRoot.2.3.1.3.1.5.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCULUnitID.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	"BC001"
xfsMIBRoot.2.3.1.3.1.6.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUCurrencyID.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	"EUR"
xfsMIBRoot.2.3.1.3.1.7.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUValues.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	10 ( 10 Minimum Dispense Units, i.e. 10 Euros )
xfsMIBRoot.2.3.1.3.1.8.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCULInitialCount.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	10000 ( 10000 notes )
xfsMIBRoot.2.3.1.3.1.9.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCULCount.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	90000 ( 9000 Notes )
xfsMIBRoot.2.3.1.3.1.10.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCULRejectCount.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	10 ( 10 Notes Rejected )
xfsMIBRoot.2.3.1.3.1.11.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUMinimum.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	100 ( 100 Note Threshold )
xfsMIBRoot.2.3.1.3.1.12.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCULMaximum.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	0 ( Not Applicable to Bill Cassettes )
xfsMIBRoot.2.3.1.3.1.13.Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUAppLock.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)

	sCDMSubDeviceIndex)
	22 ( FALSE )
xfMIBRoot.2.3.1.3.1.14.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCULogicalStatus.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	1 (xfsCDMCUStatusOK)
xfMIBRoot.2.3.1.3.1.15.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUPhysicalPositionName.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	“TOP”
xfMIBRoot.2.3.1.3.1.16.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUPUnitID.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	“BC001”
xfMIBRoot.2.3.1.3.1.17.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUPInitialCount.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	4000 ( 4000 Notes )
xfMIBRoot.2.3.1.3.1.18.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUPCount.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	1000 ( 1000 Notes )
xfMIBRoot.2.3.1.3.1.19.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUPRejectCount.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	5 ( 5 Notes Rejected )
xfMIBRoot.2.3.1.3.1.20.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUPMaximum.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	0 ( Not Applicable to Bill Cassettes )
xfMIBRoot.2.3.1.3.1.21.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUPhysicalStatus.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	1 ( xfsCDMCUStatusOK )
xfMIBRoot.2.3.1.3.1.22.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUHardwareSensor.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	2 ( FALSE )
xfMIBRoot.2.3.1.3.1.23.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCUExponent.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	0 ( Exponent is 0, so $10^0 = 1$ )
xfMIBRoot.2.3.1.3.1.24.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCULDispensedCount.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	1000 (1000 notes dispensed)
xfMIBRoot.2.3.1.3.1.25.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCULPresentedCount.xfsCDMSubDeviceManagedServiceName.xfsCDMSubDeviceIndex)
	1000 (1000 notes presented)
xfMIBRoot.2.3.1.3.1.26.Index1.Index2	(xfMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSubDeviceEntry.xfsCDMSubDeviceCULRetractedCount.xfsCDMSubDeviceManagedService

	Name.xfsCDMSubDeviceIndex)
	0 (0 notes retracted)
xfsMIBRoot.2.3.1.3.1. <b>27</b> .Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSu bDeviceEntry. <b>xfsCDMSubDeviceCUPDispensedCount</b> .xfsCDMSubDeviceManagedService Name.xfsCDMSubDeviceIndex)
	1000 (1000 notes dispensed)
xfsMIBRoot.2.3.1.3.1. <b>28</b> .Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSu bDeviceEntry. <b>xfsCDMSubDeviceCUPPresentedCount</b> .xfsCDMSubDeviceManagedSe rviceName.xfsCDMSubDeviceIndex)
	1000 (1000 notes presented)
xfsMIBRoot.2.3.1.3.1. <b>29</b> .Index1.Index2	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMSubDeviceTable.xfsCDMSu bDeviceEntry. <b>xfsCDMSubDeviceCUPRetractedCount</b> .xfsCDMSubDeviceManagedService Name.xfsCDMSubDeviceIndex)
	0 (0 notes retracted)

### 3.3 CDM Reset Device Complete Trap

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On the CDM device class this trap reports the completion of the reset device request and includes the status of the device at that point. If the reset has changed the status of the device then the Device Status Change and a Detail Device Status traps will also be generated.

The SNMP Specific trap value 303 defines the trap as a CDM Reset Device Complete trap.

#### 3.3.1 CDM Reset Device Complete Trap Format

The following defines the variable bindings included in the CDM Reset Device Complete Trap. In the following section, the numbers in parenthesis at the end of each binding just indicate the sequence of the variable bindings within the trap, they do not represent an OID value.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapResetDeviceResult (1)

This variable binding contains a value indicating if the reset was executed, and if not provides a reason. It does not report the status of the device ( i.e. the result of the reset), the current status of the device is reported within the **xfsxfsCDMStatusDevice** binding ( var bind 12 below).

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceName (2)

This variable binding represents the managed service name generating the alarm, it is a Display String field. The agent derives this field from the device status change event.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClass (3)

This variable binding represents the XFS service class identifier generating the alarm, it is a 32-bit integer (INT32). It corresponds to the class identifier for the class name. The class name is identified from the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\<ManagedServiceName>\class. This ID matches the class OID branch number i.e. PTR=1, IDC=2, CDM=3, etc. See the *XFS MIB Architecture and SNMP Extensions Programmer's Reference* document for a complete list of these values.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClassName (4)

This variable binding represents the XFS service class name generating the alarm, it is a Display String field. It corresponds to the three character representation of the XFS device class name, and it is useful for human interpretation of a trap. The class name is identified from the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\<ManagedServiceName>\class.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceType (5)

This variable binding represents the XFS type identifier generating the alarm, it is a 32-bit integer (INT32). It corresponds to the type identifier as defined in the *WFS\_INF\_CDM\_CAPABILITIES.fwType* field.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceOid (6)

This variable binding represents the OID of the sub-tree within *xfsManagedService* defining the management information for this class of managed service. This variable, along with the managed service name as an index, prevents the need for additional querying to find the service specific MIB branch. The CDM MIB class is represented by .1.3.6.1.4.1.16213.2.3

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapPhysicalDeviceName (7)

This variable binding represents the physical device name or names associated with the managed service generating the alarm, it is a Display String field. It corresponds to the physical device name or names identified by the managed service. The managed service name is used to identify the physical device name or names, from registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\<ManagedServiceName>\PhysicalDeviceName. Multiple physical device names are comma separated.

xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDeviceVendor (8)

This variable binding represents the XFS device vendor name of the device generating the alarm, it is a Display String field. It corresponds to the vendor name for the Service Provider. The Service Provider is identified from the managed service name and the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\*<ManagedServiceName>*\ServiceProvider.

The Service Provider name is then used to identify the vendor, from the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\SERVICE\_PROVIDERS\*<ServiceProviderName>*\vendor\_name.

xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapMIBVersion (9)

This variable binding represents the XFS MIB version of the device generating the alarm, it is a Display String field. It corresponds to the XFS MIB version for the managed service. The managed service name is used to identify the XFS MIB version, from registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\*<ManagedServiceName>*\MibVersion.

xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDate (10)

This variable represents the UTC and bias for local translation of the date and time when the event was generated. It is a Display String field. The data is formatted in the following way: "DD/MM/YYYY

HH:MM:SS +ZZZ" where DD/MM/YYYY HH:MM:SS is the local date and time. ZZZ is the bias, which is the difference, in minutes, between Co-ordinated Universal Time (UTC) and local time.

xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSPVersion (11)

This variable represents the vendor-defined version of the Service Provider generating the alarm, it is a Display String field. The Service Provider is identified from the managed service name and the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\MANAGEMENT\_PROVIDERS\*<ManagedServiceName>*\ServiceProvider.

The Service Provider name is then used to identify the version, from the registry value

HKEY\_LOCAL\_MACHINE\SOFTWARE\XFS\SERVICE\_PROVIDERS\*<ServiceProviderName>*\version.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusDevice.xfsCDMStatusManagedServiceName (12)

This variable binding represents the current state of the physical device managed by the service. It is a 32 bit integer (INT32).

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusNumberSubDevices.xfsCDMStatusManagedServiceName (13)

Defines how many sub-devices the service has. This is the number of retract bins the device supports.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusSafeDoor.xfsCDMStatusManagedServiceName (14)

It contains the state of the safe door. It is a numeric type field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusDispenser.xfsCDMStatusManagedServiceName (15)

It contains the state of the dispenser. It is a numeric type field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusIntermediateStacker.xfsCDMStatusManagedServiceName (16)

It contains the state of the intermediate stacker. It is a numeric type field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterCenter.xfsCDMStatusManagedServiceName (17)

It contains the state of the center output position shutter. It is a numeric type field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionCenter.xfsCDMStatusManagedServiceName (18)

It contains information regarding items which may be at the center output position. It is a numeric type field.

xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportCenter.xfsCDMStatusManagedServiceName (19)

It contains the state of the center output position transport mechanism. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusCenter.xfsCDMStatusManagedServiceName (20)**

It contains the state of the items in the center output position transport. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterLeft.xfsCDMStatusManagedServiceName (21)**

It contains the state of the left output position shutter. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionLeft.xfsCDMStatusManagedServiceName (22)**

It contains information regarding items which may be at the left output position. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportLeft.xfsCDMStatusManagedServiceName (23)**

It contains the state of the left output position transport mechanism. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusLeft.xfsCDMStatusManagedServiceName (24)**

It contains the state of the items in the left output position transport. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterRight.xfsCDMStatusManagedServiceName (25)**

It contains the state of the right output position shutter. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionRight.xfsCDMStatusManagedServiceName (26)**

It contains information regarding items which may be at the right output position. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportRight.xfsCDMStatusManagedServiceName (27)**

It contains the state of the right output position transport mechanism. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusRight.xfsCDMStatusManagedServiceName (28)**

It contains the state of the items in the right output position transport. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterTop.xfsCDMStatusManagedServiceName (29)**

It contains the state of the top output position shutter. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionTop.xfsCDMStatusManagedServiceName (30)**

It contains information regarding items which may be at the top output position. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportTop.xfsCDMStatusManagedServiceName (31)**

It contains the state of the top output position transport mechanism. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusTop.xfsCDMStatusManagedServiceName (32)**

It contains the state of the items in the top output position transport. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterBottom.xfsCDMStatusManagedServiceName (33)**

It contains the state of the bottom output position shutter. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionBottom.xfsCDMStatusManagedServiceName (34)**

It contains information regarding items which may be at the bottom output position. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportBottom.xfsCDMStatusManagedServiceName** (35)

It contains the state of the bottom output position transport mechanism. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusBottom.xfsCDMStatusManagedServiceName** (36)

It contains the state of the items in the bottom output position transport. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterFront.xfsCDMStatusManagedServiceName** (37)

It contains the state of the front output position shutter. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionFront.xfsCDMStatusManagedServiceName** (38)

It contains information regarding items which may be at the front output position. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportFront.xfsCDMStatusManagedServiceName** (39)

It contains the state of the front output position transport mechanism. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusFront.xfsCDMStatusManagedServiceName** (40)

It contains the state of the items in the front output position transport. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterRear.xfsCDMStatusManagedServiceName** (41)

It contains the state of the rear output position shutter. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionRear.xfsCDMStatusManagedServiceName** (42)

It contains information regarding items which may be at the rear output position. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportRear.xfsCDMStatusManagedServiceName** (43)

It contains the state of the rear output position transport mechanism. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusRear.xfsCDMStatusManagedServiceName** (44)

It contains the state of the items in the rear output position transport. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusExtraStatus.xfsCDMStatusManagedServiceName** (45)

It contains the vendor dependent additional device status information as an OCTET STRING. The information is returned as a series of "key=value" strings. Each string is null-terminated, with the final string terminating with two null characters.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosLeft.xfsCDMStatusManagedServiceName** (46)

It contains the state of the guidance light indicator at the left output position. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosRight.xfsCDMStatusManagedServiceName** (47)

It contains the state of the guidance light indicator at the right output position. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosCenter.xfsCDMStatusManagedServiceName** (48)

It contains the state of the guidance light indicator at the center output position. It is a numeric type field.

**xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosTop.xfsCDMStatusManagedServiceName** (49)

It contains the state of the guidance light indicator at the top output position. It is a numeric type field.

`xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosBottom.xfsCDMStatusManagedServiceName` (50)

It contains the state of the guidance light indicator at the bottom output position. It is a numeric type field.

`xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosFront.xfsCDMStatusManagedServiceName` (51)

It contains the state of the guidance light indicator at the front output position. It is a numeric type field.

`xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusGuidancePosRear.xfsCDMStatusManagedServiceName` (52)

It contains the state of the guidance light indicator at the rear output position. It is a numeric type field.

`xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusDevicePosition.xfsCDMStatusManagedServiceName` (53)

It contains the device position. It is a numeric type field.

`xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusPowerSaveRecoveryTime.xfsCDMStatusManagedServiceName` (54)

It contains the actual number of seconds required by the device to resume its normal operational state from the current power saving mode. It is a numeric type field.

`xfsmIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusAntiFraudModule.xfsCDMStatusManagedServiceName` (55)

Specifies the state of the anti-fraud module. It is a numeric type field.

### 3.3.2 CDM Reset Device Complete: an example

As an example, the following variable binding list represents a Reset Device Complete trap (6, 303) generated as a result of a request to reset the device from the remote management station. The device in question is of type self-service bill with a managed service name “Dispenser”.

<code>xfsmIBRoot.3.1.3.13</code>	<code>(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapResetDeviceResult)</code>
	0 (resetExecuted)
<code>xfsmIBRoot.3.1.3.2</code>	<code>(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceName)</code>
	“Dispenser1”
<code>xfsmIBRoot.3.1.3.3</code>	<code>(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClass)</code>
	3 (WFS_SERVICE_CLASS_CDM)
<code>xfsmIBRoot.3.1.3.4</code>	<code>(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClassName)</code>
	“CDM”
<code>xfsmIBRoot.3.1.3.5</code>	<code>(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceType)</code>
	1 (WFS_CDM_SELFSEVICEBILL)
<code>xfsmIBRoot.3.1.3.6</code>	<code>(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceOid)</code>
	“.1.3.6.1.4.1.16213.2.3”
<code>xfsmIBRoot.3.1.3.7</code>	<code>(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapPhysicalDeviceName)</code>
	“ABC Corp Dispenser”
<code>xfsmIBRoot.3.1.3.8</code>	<code>(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDeviceVendor)</code>
	“Best Devices Incorporated”



xfsMIBRoot.3.1.3.9	(xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapMIBVersion) "1.10"
xfsMIBRoot.3.1.3.11	(xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDate) "20/03/2003 15:40:53 -300"
xfsMIBRoot.3.1.3.12	(xfsMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSPVersion) "1.23"
xfsMIBRoot.2.3.1.2.1. 3.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusDevice.xfsCDMStatusManagedServiceName) 2 (WFS_STAT_DEVOFFLINE)
xfsMIBRoot.2.3.1.2.1. 2.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusNumberSubDevices.xfsCDMStatusManagedServiceName) 2 (Two sub device)
xfsMIBRoot.2.3.1.2.1. 4.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusSafeDoor.xfsCDMStatusManagedServiceName) 2 (xfsCDMDoorNotSupported)
xfsMIBRoot.2.3.1.2.1. 5.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusDispenser.xfsCDMStatusManagedServiceName) 1 (xfsCDMDispenserOK)
xfsMIBRoot.2.3.1.2.1. 6.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusIntermediateStacker.xfsCDMStatusManagedServiceName) 1 (xfsCDMIsEmpty)
xfsMIBRoot.2.3.1.2.1. 7.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterCenter.xfsCDMStatusManagedServiceName) 5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. 8.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionCenter.xfsCDMStatusManagedServiceName) 4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. 9.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportCenter.xfsCDMStatusManagedServiceName) 4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. 10.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusCenter.xfsCDMStatusManagedServiceName) 5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. 11.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterLeft.xfsCDMStatusManagedServiceName) 5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. 12.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusOutputPositionLeft.xfsCDMStatusManagedServiceName) 4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. 13.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportLeft.xfsCDMStatusManagedServiceName) 4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. 14.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusTransportStatusLeft.xfsCDMStatusManagedServiceName) 5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. 15.Index	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry.xfsCDMStatusShutterRight.xfsCDMStatusManagedServiceName)

	5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>16.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionRight</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>17.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportRight</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>18.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusRight</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>19.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterTop</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>20.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionTop</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>21.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportTop</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>22.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusTop</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>23.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterBottom</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>24.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionBottom</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>25.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportBottom</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>26.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusBottom</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>27.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterFront</b> .xfsCDMStatusManagedServiceName)
	1 (xfsCDMShtClosed)
xfsMIBRoot.2.3.1.2.1. <b>28.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionFront</b> .xfsCDMStatusManagedServiceName)
	1 (xfsCDMPSEmpty)
xfsMIBRoot.2.3.1.2.1. <b>29.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportFront</b> .xfsCDMStatusManagedServiceName)
	1 (xfsCDMTPOK)
xfsMIBRoot.2.3.1.2.1. <b>30.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusFront</b> .xfsCDMStatusManagedServiceName)
	1 (xfsCDMTPStateEmpty)
xfsMIBRoot.2.3.1.2.1. <b>31.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusShutterRear</b> .xfsCDMStatusManagedServiceName)

	5 (xfsCDMShtNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>32.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusOutputPositionRear</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMPSNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>33.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportRear</b> .xfsCDMStatusManagedServiceName)
	4 (xfsCDMTPNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>34.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusTransportStatusRear</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMTPStateNotSupported)
xfsMIBRoot.2.3.1.2.1. <b>100.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusExtraStatus</b> .xfsCDMStatusManagedServiceName)
	"\0\0" ( No extra data )
xfsMIBRoot.2.3.1.2.1. <b>35.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosLeft</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT_AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>36.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosRight</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT_AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>37.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosCenter</b> .xfsCDMStatusManagedServiceName)
	1 (value corresponding to WFS_CDM_GUIDANCE_OFF)
xfsMIBRoot.2.3.1.2.1. <b>38.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosTop</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT_AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>39.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosBottom</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>40.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosFront</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>41.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusGuidancePosRear</b> .xfsCDMStatusManagedServiceName)
	0 (value corresponding to WFS_CDM_GUIDANCE_NOT AVAILABLE)
xfsMIBRoot.2.3.1.2.1. <b>42.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusDevicePosition</b> .xfsCDMStatusManagedServiceName)
	5 (xfsCDMstatusDeviceInPosition)
xfsMIBRoot.2.3.1.2.1. <b>43.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusPowerSaveRecoveryTime</b> .xfsCDMStatusManagedServiceName)
	0 (Power save control is not supported)
xfsMIBRoot.2.3.1.2.1. <b>44.Index</b>	(xfsMIBRoot.xfsManagedService.xfsCDM.xfsCDMV1.xfsCDMStatusTable.xfsCDMStatusEntry. <b>xfsCDMStatusAntiFraudModule</b> .xfsCDMStatusManagedServiceName)
	2 (xfsCDMAFMOK)

## 4. Appendix A - CDM MIB sub-tree

---

The following paragraph contains the definition of the XFS CDM MIB sub-tree in ASN-1 format.

### 4.1 CDM MIB in SMIv2 and SMIv1 ASN-1 format

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SMIv1\_xfsCDM.mib SMIv2\_xfsCDM.mib

*The following text is the content of xfsCDM.MIB in SMIv2 format.*

```
-- *****
-- XFS 3.20 MIB for CDM
-- Management Information Base for XFS CDM Device
--
-- The CDM Number is 3
-- The ASN.1 prefix to, and including the CDM is: 1.3.6.1.4.1.16213.2.3
--
-- *****

XFS-CDM-MIB DEFINITIONS ::= BEGIN

    IMPORTS
        Integer32, OBJECT-TYPE, OBJECT-IDENTITY, NOTIFICATION-TYPE
            FROM SNMPv2-SMI
        DisplayString, TruthValue
            FROM SNMPv2-TC
        xfsCDM, xfsTrap, IxfsMIBDeviceStatus
            FROM XFSMIB;

--
-- Type definitions
--
-- *****
-- CDM Status #defines
-- *****
IxfsCDMSafeDoorStatus ::= INTEGER
{
    xfsCDMSafeDoorNotSupported(2),
    xfsCDMSafeDoorOpen(3),
    xfsCDMSafeDoorClosed(4),
    xfsCDMSafeDoorUnknown(6)
}

IxfsCDMDispenserStatus ::= INTEGER
{
    xfsCDMDispenserOK(1),
    xfsCDMDispenserCUState(2),
    xfsCDMDispenserCUStop(3),
    xfsCDMDispenserCUUnknown(4)
}

IxfsCDMIntermediateStackerStatus ::= INTEGER
{
    xfsCDMISEmpty(1),
    xfsCDMISNotEmpty(2),
    xfsCDMISNotEmptyCust(3),
    xfsCDMISNotEmptyUnknown(4),
    xfsCDMISUnknown(5),
    xfsCDMISNotSupported(6)
}

IxfsCDMShutterStatus ::= INTEGER
{
    xfsCDMShtClosed(1),
    xfsCDMShtOpen(2),
    xfsCDMShtJammed(3),
```

```

    xfsCDMShtUnknown(4),
    xfsCDMShtNotSupported(5)
}

IxfscDMOutputPositionStatus ::= INTEGER
{
    xfsCDMPSEmpty(1),
    xfsCDMPSNotEmpty(2),
    xfsCDMPSUnknown(3),
    xfsCDMPSNotSupported(4)
}

IxfscDMTransportStatus ::= INTEGER
{
    xfsCDMTPOK(1),
    xfsCDMTPInop(2),
    xfsCDMTPUnknown(3),
    xfsCDMTPNotSupported(4)
}

IxfscDMTransportStateStatus ::= INTEGER
{
    xfsCDMTPStateEmpty(1),
    xfsCDMTPStateNotEmpty(2),
    xfsCDMTPStateNotEmptyCust(3),
    xfsCDMTPStateNotEmptyUnknown(4),
    xfsCDMTPStateNotSupported(5)
}

IxfscDMDevicePositionStatus ::= INTEGER
{
    xfsCDMDeviceInPosition(1),
    xfsCDMDeviceNotInPosition(2),
    xfsCDMDevicePosUnknown(3),
    xfsCDMDevicePosNotSupported(4)
}

IxfscDMAntiFraudModuleStatus ::= INTEGER
{
    xfsCDMAFMNotSupported(1),
    xfsCDMAFMOK(2),
    xfsCDMAFMInop(3),
    xfsCDMAFMDeviceDetected(4),
    xfsCDMAFMUnknown(5)
}

-- *****
-- CDM SubDevice #defines
-- *****
IxfscDMCUType ::= INTEGER
{
    xfsCDMTypeNA(2),
    xfsCDMTypeRejectCassette(3),
    xfsCDMTypeBillCassette(4),
    xfsCDMTypeCoinCylinder(5),
    xfsCDMTypeCoinDispenser(6),
    xfsCDMTypeRetractCassette(7),
    xfsCDMTypeCoupon(8),
    xfsCDMTypeDocument(9),
    xfsCDMTypeRepContainer(12),
    xfsCDMTypeRecycling(13)
}

IxfscDMCUStatus ::= INTEGER
{
    xfsCDMCUStatusOK(1),
    xfsCDMCUStatusFull(2),
    xfsCDMCUStatusHigh(3),
    xfsCDMCUStatusLow(4),
    xfsCDMCUStatusEmpty(5),
    xfsCDMCUStatusInop(6),
    xfsCDMCUStatusMissing(7),
    xfsCDMCUStatusNoval(8),
    xfsCDMCUStatusNoref(9),

```

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```
    xfsCDMCUStatusManip(10)
  }

IxfsCDMCapabilitiesDeviceType ::= INTEGER
  {
    xfsCDMTellerBill(1),
    xfsCDMSelfServiceBill(2),
    xfsCDMTellerCoin(3),
    xfsCDMSelfServiceCoin(4)
  }

IxfsCDMCUHardwareSensor ::= INTEGER
  {
    hardwareSensorOn(1),
    hardwareSensorOff(2)
  }

IxfsCDMCUAppLock ::= INTEGER
  {
    appLockOn(1),
    appLockOff(2)
  }

--
-- Node definitions
--
-- *****
-- Version 1 of CDM MIB
--
-- The ASN.1 prefix to, and including the Version 1 of CDM is:
1.3.6.1.4.1.16213.2.3.1
--
-- *****
-- 1.3.6.1.4.1.16213.2.3.1
xfsCDMV1 OBJECT IDENTIFIER ::= { xfsCDM 1 }

-- 1.3.6.1.4.1.16213.2.3.1.1
xfsCDMInstances OBJECT-TYPE
  SYNTAX Integer32
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION
    "Number that represents the number of CDM managed services."
  ::= { xfsCDMV1 1 }

-- *****
-- CDM Device Status Table
-- *****
-- 1.3.6.1.4.1.16213.2.3.1.2
xfsCDMStatusTable OBJECT-TYPE
  SYNTAX SEQUENCE OF XfsCDMStatusEntry
  MAX-ACCESS not-accessible
  STATUS current
  DESCRIPTION
    "Define the set of MIB Variables for the CDM status table."
  ::= { xfsCDMV1 2 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1
xfsCDMStatusEntry OBJECT-TYPE
  SYNTAX XfsCDMStatusEntry
  MAX-ACCESS not-accessible
  STATUS current
  DESCRIPTION
    "CDM Device Status Table Entry."
  INDEX { xfsCDMStatusManagedServiceName }
  ::= { xfsCDMStatusTable 1 }

XfsCDMStatusEntry ::=
```

```

SEQUENCE {
  xfsCDMStatusManagedServiceName
    DisplayString,
  xfsCDMStatusNumberSubDevices
    Integer32,
  xfsCDMStatusDevice
    IxfsMIBDeviceStatus,
  xfsCDMStatusSafeDoor
    IxfsCDMSafeDoorStatus,
  xfsCDMStatusDispenser
    IxfsCDMDispenserStatus,
  xfsCDMStatusIntermediateStacker
    IxfsCDMIntermediateStackerStatus,
  xfsCDMStatusShutterCenter
    IxfsCDMShutterStatus,
  xfsCDMStatusOutputPositionCenter
    IxfsCDMOutputPositionStatus,
  xfsCDMStatusTransportCenter
    IxfsCDMTransportStatus,
  xfsCDMStatusTransportStatusCenter
    IxfsCDMTransportStateStatus,
  xfsCDMStatusShutterLeft
    IxfsCDMShutterStatus,
  xfsCDMStatusOutputPositionLeft
    IxfsCDMOutputPositionStatus,
  xfsCDMStatusTransportLeft
    IxfsCDMTransportStatus,
  xfsCDMStatusTransportStatusLeft
    IxfsCDMTransportStateStatus,
  xfsCDMStatusShutterRight
    IxfsCDMShutterStatus,
  xfsCDMStatusOutputPositionRight
    IxfsCDMOutputPositionStatus,
  xfsCDMStatusTransportRight
    IxfsCDMTransportStatus,
  xfsCDMStatusTransportStatusRight
    IxfsCDMTransportStateStatus,
  xfsCDMStatusShutterTop
    IxfsCDMShutterStatus,
  xfsCDMStatusOutputPositionTop
    IxfsCDMOutputPositionStatus,
  xfsCDMStatusTransportTop
    IxfsCDMTransportStatus,
  xfsCDMStatusTransportStatusTop
    IxfsCDMTransportStateStatus,
  xfsCDMStatusShutterBottom
    IxfsCDMShutterStatus,
  xfsCDMStatusOutputPositionBottom
    IxfsCDMOutputPositionStatus,
  xfsCDMStatusTransportBottom
    IxfsCDMTransportStatus,
  xfsCDMStatusTransportStatusBottom
    IxfsCDMTransportStateStatus,
  xfsCDMStatusShutterFront
    IxfsCDMShutterStatus,
  xfsCDMStatusOutputPositionFront
    IxfsCDMOutputPositionStatus,
  xfsCDMStatusTransportFront
    IxfsCDMTransportStatus,
  xfsCDMStatusTransportStatusFront
    IxfsCDMTransportStateStatus,
  xfsCDMStatusShutterRear
    IxfsCDMShutterStatus,
  xfsCDMStatusOutputPositionRear
    IxfsCDMOutputPositionStatus,
  xfsCDMStatusTransportRear
    IxfsCDMTransportStatus,
  xfsCDMStatusTransportStatusRear
    IxfsCDMTransportStateStatus,
  xfsCDMStatusGuidancePosLeft
    Integer32,
  xfsCDMStatusGuidancePosRight
    Integer32,
  xfsCDMStatusGuidancePosCenter
    Integer32,

```

```

    xfsCDMStatusGuidancePosTop
        Integer32,
    xfsCDMStatusGuidancePosBottom
        Integer32,
    xfsCDMStatusGuidancePosFront
        Integer32,
    xfsCDMStatusGuidancePosRear
        Integer32,
    xfsCDMStatusDevicePosition
        IxfsCDMDevicePositionStatus,
    xfsCDMStatusPowerSaveRecoveryTime
        Integer32,
    xfsCDMStatusAntiFraudModule
        IxfsCDMAntiFraudModuleStatus,
    xfsCDMStatusExtraStatus
        OCTET STRING
}

-- 1.3.6.1.4.1.16213.2.3.1.2.1.1
xfsCDMStatusManagedServiceName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Instance identifier of the managed service."
    ::= { xfsCDMStatusEntry 1 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.2
xfsCDMStatusNumberSubDevices OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Number of sub devices supported by the CDM device."
    ::= { xfsCDMStatusEntry 2 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.3
xfsCDMStatusDevice OBJECT-TYPE
    SYNTAX IxfsMIBDeviceStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Device status."
    ::= { xfsCDMStatusEntry 3 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.4
xfsCDMStatusSafeDoor OBJECT-TYPE
    SYNTAX IxfsCDMSafeDoorStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Safedoor Status.
        xfsCDMSafeDoorNotSupported(2),
        xfsCDMSafeDoorOpen(3),
        xfsCDMSafeDoorClosed(4),
        xfsCDMSafeDoorUnknown(6)."
    ::= { xfsCDMStatusEntry 4 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.5
xfsCDMStatusDispenser OBJECT-TYPE
    SYNTAX IxfsCDMDispenserStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Dispenser Status.
        xfsCDMDispenserOK(1),
        xfsCDMDispenserCUState(2),
        xfsCDMDispenserCUStop(3),
        xfsCDMDispenserCUUnknown(4)."
    ::= { xfsCDMStatusEntry 5 }

```



```

-- 1.3.6.1.4.1.16213.2.3.1.2.1.6
xfsCDMStatusIntermediateStacker OBJECT-TYPE
    SYNTAX IxfsCDMIntermediateStackerStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Intermediate Stacker Status.
         xfsCDMISEmpty(1),
         xfsCDMISNotEmpty(2),
         xfsCDMISNotEmptyCust(3),
         xfsCDMISNotEmptyUnknown(4),
         xfsCDMISUnknown(5),
         xfsCDMISNotSupported(6)."
```

```
 ::= { xfsCDMStatusEntry 6 }
```

```

-- 1.3.6.1.4.1.16213.2.3.1.2.1.7
xfsCDMStatusShutterCenter OBJECT-TYPE
    SYNTAX IxfsCDMShutterStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the shutter in center position.
         xfsCDMShtClosed(1),
         xfsCDMShtOpen(2),
         xfsCDMShtJammed(3),
         xfsCDMShtUnknown(4),
         xfsCDMShtNotSupported(5)."
```

```
 ::= { xfsCDMStatusEntry 7 }
```

```

-- 1.3.6.1.4.1.16213.2.3.1.2.1.8
xfsCDMStatusOutputPositionCenter OBJECT-TYPE
    SYNTAX IxfsCDMOutputPositionStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the output position in center position.
         xfsCDMPSEmpty(1),
         xfsCDMPSEmptyNot(2),
         xfsCDMPSEmptyUnknown(3),
         xfsCDMPSEmptyNotSupported(4)."
```

```
 ::= { xfsCDMStatusEntry 8 }
```

```

-- 1.3.6.1.4.1.16213.2.3.1.2.1.9
xfsCDMStatusTransportCenter OBJECT-TYPE
    SYNTAX IxfsCDMTransportStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the transport in center position.
         xfsCDMTPOK(1),
         xfsCDMTPInop(2),
         xfsCDMTPUnknown(3),
         xfsCDMTPNotSupported(4)."
```

```
 ::= { xfsCDMStatusEntry 9 }
```

```

-- 1.3.6.1.4.1.16213.2.3.1.2.1.10
xfsCDMStatusTransportStatusCenter OBJECT-TYPE
    SYNTAX IxfsCDMTransportStateStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the items in the center transport.
         xfsCDMTPStateEmpty(1),
         xfsCDMTPStateNotEmpty(2),
         xfsCDMTPStateNotEmptyCust(3),
         xfsCDMTPStateNotEmptyUnknown(4),
         xfsCDMTPStateNotSupported(5)."
```

```
 ::= { xfsCDMStatusEntry 10 }
```

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```
-- 1.3.6.1.4.1.16213.2.3.1.2.1.11
xfsCDMStatusShutterLeft OBJECT-TYPE
SYNTAX IxfsCDMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the shutter in left position.
    xfsCDMShtClosed(1),
    xfsCDMShtOpen(2),
    xfsCDMShtJammed(3),
    xfsCDMShtUnknown(4),
    xfsCDMShtNotSupported(5)."
```

```
 ::= { xfsCDMStatusEntry 11 }
```

```
-- 1.3.6.1.4.1.16213.2.3.1.2.1.12
xfsCDMStatusOutputPositionLeft OBJECT-TYPE
SYNTAX IxfsCDMOutputPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the output position in left position.
    xfsCDMPSEmpty(1),
    xfsCDMPSNotEmpty(2),
    xfsCDMPSUnknown(3),
    xfsCDMPSNotSupported(4)."
```

```
 ::= { xfsCDMStatusEntry 12 }
```

```
-- 1.3.6.1.4.1.16213.2.3.1.2.1.13
xfsCDMStatusTransportLeft OBJECT-TYPE
SYNTAX IxfsCDMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the transport in left position.
    xfsCDMTPOK(1),
    xfsCDMTPinop(2),
    xfsCDMTPUnknown(3),
    xfsCDMTPNotSupported(4)."
```

```
 ::= { xfsCDMStatusEntry 13 }
```

```
-- 1.3.6.1.4.1.16213.2.3.1.2.1.14
xfsCDMStatusTransportStatusLeft OBJECT-TYPE
SYNTAX IxfsCDMTransportStateStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the items in the left transport.
    xfsCDMTPStateEmpty(1),
    xfsCDMTPStateNotEmpty(2),
    xfsCDMTPStateNotEmptyCust(3),
    xfsCDMTPStateNotEmptyUnknown(4),
    xfsCDMTPStateNotSupported(5)."
```

```
 ::= { xfsCDMStatusEntry 14 }
```

```
-- 1.3.6.1.4.1.16213.2.3.1.2.1.15
xfsCDMStatusShutterRight OBJECT-TYPE
SYNTAX IxfsCDMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the shutter in right position.
    xfsCDMShtClosed(1),
    xfsCDMShtOpen(2),
    xfsCDMShtJammed(3),
    xfsCDMShtUnknown(4),
    xfsCDMShtNotSupported(5)."
```

```
 ::= { xfsCDMStatusEntry 15 }
```

```
-- 1.3.6.1.4.1.16213.2.3.1.2.1.16
xfsCDMStatusOutputPositionRight OBJECT-TYPE
```

```

SYNTAX IxfsCDMOutputPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the output position in right position.
    xfsCDMPSEmpty(1),
    xfsCDMPSNotEmpty(2),
    xfsCDMPSUnknown(3),
    xfsCDMPSNotSupported(4)."
```

```

::= { xfsCDMStatusEntry 16 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.17
xfsCDMStatusTransportRight OBJECT-TYPE
SYNTAX IxfsCDMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the transport in center position.
    xfsCDMTPOK(1),
    xfsCDMTPInop(2),
    xfsCDMTPUnknown(3),
    xfsCDMTPNotSupported(4)."
```

```

::= { xfsCDMStatusEntry 17 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.18
xfsCDMStatusTransportStatusRight OBJECT-TYPE
SYNTAX IxfsCDMTransportStateStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the items in the right transport.
    xfsCDMTPStateEmpty(1),
    xfsCDMTPStateNotEmpty(2),
    xfsCDMTPStateNotEmptyCust(3),
    xfsCDMTPStateNotEmptyUnknown(4),
    xfsCDMTPStateNotSupported(5)."
```

```

::= { xfsCDMStatusEntry 18 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.19
xfsCDMStatusShutterTop OBJECT-TYPE
SYNTAX IxfsCDMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the shutter in top position.
    xfsCDMShtClosed(1),
    xfsCDMShtOpen(2),
    xfsCDMShtJammed(3),
    xfsCDMShtUnknown(4),
    xfsCDMShtNotSupported(5)."
```

```

::= { xfsCDMStatusEntry 19 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.20
xfsCDMStatusOutputPositionTop OBJECT-TYPE
SYNTAX IxfsCDMOutputPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the output position in top position.
    xfsCDMPSEmpty(1),
    xfsCDMPSNotEmpty(2),
    xfsCDMPSUnknown(3),
    xfsCDMPSNotSupported(4)."
```

```

::= { xfsCDMStatusEntry 20 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.21
xfsCDMStatusTransportTop OBJECT-TYPE
SYNTAX IxfsCDMTransportStatus
MAX-ACCESS read-only
STATUS current

```

```

DESCRIPTION
  "Status of the transport in top position.
  xfsCDMTPOK(1),
  xfsCDMTPInop(2),
  xfsCDMTPUnknown(3),
  xfsCDMTPNotSupported(4)."
```

```

 ::= { xfsCDMStatusEntry 21 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.22
xfsCDMStatusTransportStatusTop OBJECT-TYPE
  SYNTAX IxfsCDMTransportStateStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION
    "Status of the items in the top transport.
    xfsCDMTPStateEmpty(1),
    xfsCDMTPStateNotEmpty(2),
    xfsCDMTPStateNotEmptyCust(3),
    xfsCDMTPStateNotEmptyUnknown(4),
    xfsCDMTPStateNotSupported(5)."
```

```

 ::= { xfsCDMStatusEntry 22 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.23
xfsCDMStatusShutterBottom OBJECT-TYPE
  SYNTAX IxfsCDMShutterStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION
    "Status of the shutter in bottom position.
    xfsCDMShtClosed(1),
    xfsCDMShtOpen(2),
    xfsCDMShtJammed(3),
    xfsCDMShtUnknown(4),
    xfsCDMShtNotSupported(5)."
```

```

 ::= { xfsCDMStatusEntry 23 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.24
xfsCDMStatusOutputPositionBottom OBJECT-TYPE
  SYNTAX IxfsCDMOutputPositionStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION
    "Status of the output position in bottom position.
    xfsCDMPSEmpty(1),
    xfsCDMPSNotEmpty(2),
    xfsCDMPSUnknown(3),
    xfsCDMPSNotSupported(4)."
```

```

 ::= { xfsCDMStatusEntry 24 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.25
xfsCDMStatusTransportBottom OBJECT-TYPE
  SYNTAX IxfsCDMTransportStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION
    "Status of the transport in bottom position.
    xfsCDMTPOK(1),
    xfsCDMTPInop(2),
    xfsCDMTPUnknown(3),
    xfsCDMTPNotSupported(4)."
```

```

 ::= { xfsCDMStatusEntry 25 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.26
xfsCDMStatusTransportStatusBottom OBJECT-TYPE
  SYNTAX IxfsCDMTransportStateStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION
    "Status of the items in the bottom transport.
    xfsCDMTPStateEmpty(1),
```

```

    xfsCDMTPStateNotEmpty(2),
    xfsCDMTPStateNotEmptyCust(3),
    xfsCDMTPStateNotEmptyUnknown(4),
    xfsCDMTPStateNotSupported(5)."
 ::= { xfsCDMStatusEntry 26 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.27
xfsCDMStatusShutterFront OBJECT-TYPE
SYNTAX IxfsCDMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the shutter in front position.
    xfsCDMShtClosed(1),
    xfsCDMShtOpen(2),
    xfsCDMShtJammed(3),
    xfsCDMShtUnknown(4),
    xfsCDMShtNotSupported(5)."
 ::= { xfsCDMStatusEntry 27 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.28
xfsCDMStatusOutputPositionFront OBJECT-TYPE
SYNTAX IxfsCDMOutputPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the output position in front position.
    xfsCDMPSEmpty(1),
    xfsCDMPSEmptyNot(2),
    xfsCDMPSEmptyUnknown(3),
    xfsCDMPSEmptyNotSupported(4)."
 ::= { xfsCDMStatusEntry 28 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.29
xfsCDMStatusTransportFront OBJECT-TYPE
SYNTAX IxfsCDMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the transport in front position.
    xfsCDMTPOK(1),
    xfsCDMTPInop(2),
    xfsCDMTPUnknown(3),
    xfsCDMTPNotSupported(4)."
 ::= { xfsCDMStatusEntry 29 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.30
xfsCDMStatusTransportStatusFront OBJECT-TYPE
SYNTAX IxfsCDMTransportStateStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the items in the front transport.
    xfsCDMTPStateEmpty(1),
    xfsCDMTPStateNotEmpty(2),
    xfsCDMTPStateNotEmptyCust(3),
    xfsCDMTPStateNotEmptyUnknown(4),
    xfsCDMTPStateNotSupported(5)."
 ::= { xfsCDMStatusEntry 30 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.31
xfsCDMStatusShutterRear OBJECT-TYPE
SYNTAX IxfsCDMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the shutter in rear position.
    xfsCDMShtClosed(1),
    xfsCDMShtOpen(2),
    xfsCDMShtJammed(3),

```

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```
    xfsCDMShtUnknown(4),
    xfsCDMShtNotSupported(5)."
 ::= { xfsCDMStatusEntry 31 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.32
xfsCDMStatusOutputPositionRear OBJECT-TYPE
SYNTAX IxfsCDMOutputPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the output position in rear position.
    xfsCDMPSEmpty(1),
    xfsCDMPSNotEmpty(2),
    xfsCDMPSUnknown(3),
    xfsCDMPSNotSupported(4)."
```

```
 ::= { xfsCDMStatusEntry 32 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.33
xfsCDMStatusTransportRear OBJECT-TYPE
SYNTAX IxfsCDMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the transport in rear position.
    xfsCDMTPOK(1),
    xfsCDMTPInop(2),
    xfsCDMTPUnknown(3),
    xfsCDMTPNotSupported(4)."
```

```
 ::= { xfsCDMStatusEntry 33 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.34
xfsCDMStatusTransportStatusRear OBJECT-TYPE
SYNTAX IxfsCDMTransportStateStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the items in the rear transport.
    xfsCDMTPStateEmpty(1),
    xfsCDMTPStateNotEmpty(2),
    xfsCDMTPStateNotEmptyCust(3),
    xfsCDMTPStateNotEmptyUnknown(4),
    xfsCDMTPStateNotSupported(5)."
```

```
 ::= { xfsCDMStatusEntry 34 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.35
xfsCDMStatusGuidancePosLeft OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the guidance light indicator at the left output position."
```

```
 ::= { xfsCDMStatusEntry 35 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.36
xfsCDMStatusGuidancePosRight OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the guidance light indicator at the right output position."
```

```
 ::= { xfsCDMStatusEntry 36 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.37
xfsCDMStatusGuidancePosCenter OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Status of the guidance light indicator at the center output position."
```

```

 ::= { xfsCDMStatusEntry 37 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.38
xfsCDMStatusGuidancePosTop OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the guidance light indicator at the top output position."
    ::= { xfsCDMStatusEntry 38 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.39
xfsCDMStatusGuidancePosBottom OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the guidance light indicator at the bottom output position."
    ::= { xfsCDMStatusEntry 39 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.40
xfsCDMStatusGuidancePosFront OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the guidance light indicator at the front output position."
    ::= { xfsCDMStatusEntry 40 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.41
xfsCDMStatusGuidancePosRear OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the guidance light indicator at the rear output position."
    ::= { xfsCDMStatusEntry 41 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.42
xfsCDMStatusDevicePosition OBJECT-TYPE
    SYNTAX IxfsCDMDevicePositionStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Specifies the device position.
         xfsCDMDeviceInPosition(1),
         xfsCDMDeviceNotInPosition(2),
         xfsCDMDevicePosUnknown(3),
         xfsCDMDevicePosNotSupported(4)."
```

```

    ::= { xfsCDMStatusEntry 42 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.43
xfsCDMStatusPowerSaveRecoveryTime OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Specifies the actual number of seconds required by the
         device to resume its normal operational state from the
         current power saving mode. This value is zero if either the
         power saving mode has not been activated or no power save
         control is supported."
    ::= { xfsCDMStatusEntry 43 }

-- 1.3.6.1.4.1.16213.2.3.1.2.1.44
xfsCDMStatusAntiFraudModule OBJECT-TYPE
    SYNTAX IxfsCDMAntiFraudModuleStatus
    MAX-ACCESS read-only

```

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```
STATUS current
DESCRIPTION
  "It contains the state of the anti-fraud module. Allowed values are:
  xfsCDMAFMNotSupported(1),
  xfsCDMAFMOK(2),
  xfsCDMAFMInop(3),
  xfsCDMAFMDeviceDetected(4),
  xfsCDMAFMUnknown(5)."
```

```
::= { xfsCDMStatusEntry 44 }
```

```
-- 1.3.6.1.4.1.16213.2.3.1.2.1.100
xfsCDMStatusExtraStatus OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-only
STATUS current
DESCRIPTION
  "Vendor dependent additional device status information."
```

```
::= { xfsCDMStatusEntry 100 }
```

```
-- *****
-- CDM Sub Device Status Table
--
-- The ASN.1 prefix for Version 1 of CDM is: 1.3.6.1.4.1.16213.2.3.1.3
-- *****
-- 1.3.6.1.4.1.16213.2.3.1.3
xfsCDMSubDeviceTable OBJECT-TYPE
SYNTAX SEQUENCE OF XfsCDMSubDeviceEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
  "Define the set of MIB Variables for the CDM status table."
```

```
::= { xfsCDMV1 3 }
```

```
-- 1.3.6.1.4.1.16213.2.3.1.3.1
xfsCDMSubDeviceEntry OBJECT-TYPE
SYNTAX XfsCDMSubDeviceEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
  "CDM Sub-Device Status Table Entry."
```

```
INDEX { xfsCDMSubDeviceManagedServiceName, xfsCDMSubDeviceIndex }
::= { xfsCDMSubDeviceTable 1 }
```

```
XfsCDMSubDeviceEntry ::=
SEQUENCE {
  xfsCDMSubDeviceManagedServiceName
    DisplayString,
  xfsCDMSubDeviceIndex
    INTEGER,
  xfsCDMSubDeviceCUType
    IxfsCDMCUType,
  xfsCDMSubDeviceCUName
    DisplayString,
  xfsCDMSubDeviceCULUnitID
    OCTET STRING,
  xfsCDMSubDeviceCUCurrencyID
    OCTET STRING,
  xfsCDMSubDeviceCUValues
    Integer32,
  xfsCDMSubDeviceCULInitialCount
    Integer32,
  xfsCDMSubDeviceCULCount
    Integer32,
  xfsCDMSubDeviceCULRejectCount
    Integer32,
  xfsCDMSubDeviceCUMinimum
    Integer32,
  xfsCDMSubDeviceCULMaximum
    Integer32,
  xfsCDMSubDeviceCUAppLock
    TruthValue,
```



```

xfsCDMSubDeviceCULogicalStatus
  IxfsCDMCUStatus,
xfsCDMSubDeviceCUPhysicalPositionName
  DisplayString,
xfsCDMSubDeviceCUPUnitID
  OCTET STRING,
xfsCDMSubDeviceCUPInitialCount
  Integer32,
xfsCDMSubDeviceCUPCount
  Integer32,
xfsCDMSubDeviceCUPRejectCount
  Integer32,
xfsCDMSubDeviceCUPMaximumCount
  Integer32,
xfsCDMSubDeviceCUPhysicalStatus
  IxfsCDMCUStatus,
xfsCDMSubDeviceCUHardwareSensor
  TruthValue,
xfsCDMSubDeviceCUExponent
  Integer32,
xfsCDMSubDeviceCULDispensedCount
  Integer32,
xfsCDMSubDeviceCULPresentedCount
  Integer32,
xfsCDMSubDeviceCULRetractedCount
  Integer32,
xfsCDMSubDeviceCUPDispensedCount
  Integer32,
xfsCDMSubDeviceCUPPresentedCount
  Integer32,
xfsCDMSubDeviceCUPRetractedCount
  Integer32
}

-- 1.3.6.1.4.1.16213.2.3.1.3.1.1
xfsCDMSubDeviceManagedServiceName OBJECT-TYPE
  SYNTAX DisplayString
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION
    "Instance identifier of the managed service."
  ::= { xfsCDMSubDeviceEntry 1 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.2
xfsCDMSubDeviceIndex OBJECT-TYPE
  SYNTAX INTEGER (1..65535)
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION
    "Index into the array of sub devices supported."
  ::= { xfsCDMSubDeviceEntry 2 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.3
xfsCDMSubDeviceCUType OBJECT-TYPE
  SYNTAX IxfsCDMCUType
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION
    "Type of cash unit.
    xfsCDMTypeNA(2),
    xfsCDMTypeRejectCassette(3),
    xfsCDMTypeBillCassette(4),
    xfsCDMTypeCoinCylinder(5),
    xfsCDMTypeCoinDispenser(6),
    xfsCDMTypeRetractCassette(7),
    xfsCDMTypeCoupon(8),
    xfsCDMTypeDocument(9),
    xfsCDMTypeRepContainer(12),
    xfsCDMTypeRecycling(13)"
  ::= { xfsCDMSubDeviceEntry 3 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.4

```

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```
xfsCDMSubDeviceCUName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Name of cash unit."
    ::= { xfsCDMSubDeviceEntry 4 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.5
xfsCDMSubDeviceCULUnitID OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Cash unit identifier."
    ::= { xfsCDMSubDeviceEntry 5 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.6
xfsCDMSubDeviceCUCurrencyID OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Three character array storing the ISO format Currency ID."
    ::= { xfsCDMSubDeviceEntry 6 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.7
xfsCDMSubDeviceCUValues OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Value of the single item in the cash unit."
    ::= { xfsCDMSubDeviceEntry 7 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.8
xfsCDMSubDeviceCULInitialCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Initial number of items contained in the cash unit."
    ::= { xfsCDMSubDeviceEntry 8 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.9
xfsCDMSubDeviceCULCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Actual number of items contained in the cash unit."
    ::= { xfsCDMSubDeviceEntry 9 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.10
xfsCDMSubDeviceCULRejectCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Number of items from this logical cash unit that went to the reject
        cassette, and which have not been accessible to a customer."
    ::= { xfsCDMSubDeviceEntry 10 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.11
xfsCDMSubDeviceCUMinimum OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
```

```

DESCRIPTION
    "When this valued is reached a threshold event is generated.
    Not applicable for retract and reject cash units."
 ::= { xfsCDMSubDeviceEntry 11 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.12
xfsCDMSubDeviceCULMaximum OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "When this valued is reached a threshold event is generated.
        Only applicable for retract and reject cash units."
 ::= { xfsCDMSubDeviceEntry 12 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.13
xfsCDMSubDeviceCUAppLock OBJECT-TYPE
    SYNTAX TruthValue
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Not applicable for Reject or Retract cash unit..
        TRUE - can NOT dispense from cash unit without errors,
        FALSE- items can be dispensed from the cash unit."
 ::= { xfsCDMSubDeviceEntry 13 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.14
xfsCDMSubDeviceCULogicalStatus OBJECT-TYPE
    SYNTAX IxfsCDMCUStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the logical cassette.
        xfsCDMCUStatusOK(1),
        xfsCDMCUStatusFull(2),
        xfsCDMCUStatusHigh(3),
        xfsCDMCUStatusLow(4),
        xfsCDMCUStatusEmpty(5),
        xfsCDMCUStatusInop(6),
        xfsCDMCUStatusMissing(7),
        xfsCDMCUStatusNoval(8),
        xfsCDMCUStatusNoref(9),
        xfsCDMCUStatusManip(10)."
```

```
 ::= { xfsCDMSubDeviceEntry 14 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.15
xfsCDMSubDeviceCUPhysicalPositionName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Name identifying the physical location of the cash unit."
 ::= { xfsCDMSubDeviceEntry 15 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.16
xfsCDMSubDeviceCUPUnitID OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Cash unit identifier."
 ::= { xfsCDMSubDeviceEntry 16 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.17
xfsCDMSubDeviceCUPInitialCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION

```

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```
"Initial number of items contained in the cash unit."
 ::= { xfsCDMSubDeviceEntry 17 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.18
xfsCDMSubDeviceCUPCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Actual number of items contained in the cash unit."
    ::= { xfsCDMSubDeviceEntry 18 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.19
xfsCDMSubDeviceCUPRejectCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Number of items that went to the reject bin from this physical cash unit."
    ::= { xfsCDMSubDeviceEntry 19 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.20
xfsCDMSubDeviceCUPMaximumCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "When this valued is reached a threshold event is generated.
        Only applicable for retract and reject cash units."
    ::= { xfsCDMSubDeviceEntry 20 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.21
xfsCDMSubDeviceCUPhysicalStatus OBJECT-TYPE
    SYNTAX IxfsCDMCUStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Status of the physical cassette.
        xfsCDMCUStatusOK(1),
        xfsCDMCUStatusFull(2),
        xfsCDMCUStatusHigh(3),
        xfsCDMCUStatusLow(4),
        xfsCDMCUStatusEmpty(5),
        xfsCDMCUStatusInop(6),
        xfsCDMCUStatusMissing(7),
        xfsCDMCUStatusNoval(8),
        xfsCDMCUStatusNoref(9),
        xfsCDMCUStatusManip(10)."
    ::= { xfsCDMSubDeviceEntry 21 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.22
xfsCDMSubDeviceCUHardwareSensor OBJECT-TYPE
    SYNTAX TruthValue
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Specifies whether or not thresholds events are generated based
        on hardware sensors in the device .
        TRUE - threshold events generated on hardware sensors,
        FALSE - threshold events NOT generated on hardware sensors."
    ::= { xfsCDMSubDeviceEntry 22 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.23
xfsCDMSubDeviceCUExponent OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The XFS currency exponent."
```

```

 ::= { xfsCDMSubDeviceEntry 23 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.24
xfsCDMSubDeviceCULDispensedCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of items dispensed from all the physical cash units
         associated with this logical cash unit."
 ::= { xfsCDMSubDeviceEntry 24 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.25
xfsCDMSubDeviceCULPresentedCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of items from all the physical cash units associated
         with this logical cash unit that have been presented to the customer."
 ::= { xfsCDMSubDeviceEntry 25 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.26
xfsCDMSubDeviceCULRetractedCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of items that have been accessible to a customer and retracted
 into all physical cash
         units associated with this logical cash unit."
 ::= { xfsCDMSubDeviceEntry 26 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.27
xfsCDMSubDeviceCUPDispensedCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of items dispensed from this physical cash unit."
 ::= { xfsCDMSubDeviceEntry 27 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.28
xfsCDMSubDeviceCUPPresentedCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of items from this physical cash unit that have been
         presented to the customer."
 ::= { xfsCDMSubDeviceEntry 28 }

-- 1.3.6.1.4.1.16213.2.3.1.3.1.29
xfsCDMSubDeviceCUPRetractedCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The number of items that have been retracted into this physical
         cash unit."
 ::= { xfsCDMSubDeviceEntry 29 }

-- *****
-- CDM Error Table
-- *****
-- 1.3.6.1.4.1.16213.2.3.1.4
xfsCDMErrorTable OBJECT-TYPE
    SYNTAX SEQUENCE OF XfsCDMErrorEntry

```

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```
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
    "Define the set of MIB Variables for the CDM Error Table."
 ::= { xfsCDMV1 4 }

-- 1.3.6.1.4.1.16213.2.3.1.4.1
xfsCDMErrorEntry OBJECT-TYPE
    SYNTAX XfsCDMErrorEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "CDM Error Table Entry."
    INDEX { xfsCDMErrorManagedServiceName, xfsCDMErrorCommandCode,
xfsCDMErrorResponseCode }
    ::= { xfsCDMErrorTable 1 }

XfsCDMErrorEntry ::=
    SEQUENCE {
        xfsCDMErrorManagedServiceName
            DisplayString,
        xfsCDMErrorCommandCode
            INTEGER,
        xfsCDMErrorResponseCode
            INTEGER,
        xfsCDMErrorCount
            Integer32
    }

-- 1.3.6.1.4.1.16213.2.3.1.4.1.1
xfsCDMErrorManagedServiceName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Instance identifier of the managed service."
    ::= { xfsCDMErrorEntry 1 }

-- 1.3.6.1.4.1.16213.2.3.1.4.1.2
xfsCDMErrorCommandCode OBJECT-TYPE
    SYNTAX INTEGER (301..400)
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The executable command code supported by the Service
        Provider associated with the error count of interest."
    ::= { xfsCDMErrorEntry 2 }

-- 1.3.6.1.4.1.16213.2.3.1.4.1.3
xfsCDMErrorResponseCode OBJECT-TYPE
    SYNTAX INTEGER (0..99 | 300..399)
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "The response code supported by Service Provider for the
        corresponding command code associated with the error count
        of interest."
    ::= { xfsCDMErrorEntry 3 }

-- 1.3.6.1.4.1.16213.2.3.1.4.1.4
xfsCDMErrorCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "The counter value corresponding to the managed service,
        command code and response code."
    ::= { xfsCDMErrorEntry 4 }
```

```

-- *****
-- CDM Reset Table
-- *****
-- 1.3.6.1.4.1.16213.2.3.1.5
xfsCDMResetTable OBJECT-TYPE
    SYNTAX SEQUENCE OF XfsCDMResetEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Defines the set of MIB Variables for the CDM Reset Table."
    ::= { xfsCDMV1 5 }

-- 1.3.6.1.4.1.16213.2.3.1.5.1
xfsCDMResetEntry OBJECT-TYPE
    SYNTAX XfsCDMResetEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "CDM Reset Table Entry."
    INDEX { xfsCDMResetManagedServiceName }
    ::= { xfsCDMResetTable 1 }

XfsCDMResetEntry ::=
    SEQUENCE {
        xfsCDMResetManagedServiceName
            DisplayString,
        xfsCDMResetAll
            Integer32,
        xfsCDMResetTimestamp
            DisplayString
    }

-- 1.3.6.1.4.1.16213.2.3.1.5.1.1
xfsCDMResetManagedServiceName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Instance identifier of the managed service."
    ::= { xfsCDMResetEntry 1 }

-- 1.3.6.1.4.1.16213.2.3.1.5.1.2
xfsCDMResetAll OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Returns all counter values for this managed service to
        zero when set to zero and returns zero when read."
    ::= { xfsCDMResetEntry 2 }

-- 1.3.6.1.4.1.16213.2.3.1.5.1.3
xfsCDMResetTimestamp OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Date and time the last reset of the counters was
        performed."
    ::= { xfsCDMResetEntry 3 }

-- *****
-- CDM Reset Device Table
-- *****
-- 1.3.6.1.4.1.16213.2.3.1.6
xfsCDMResetDeviceTable OBJECT-TYPE
    SYNTAX SEQUENCE OF XfsCDMResetDeviceEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION

```

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```
"Define the set of MIB Variables for the CDM Reset Device Table."
 ::= { xfsCDMV1 6 }

-- 1.3.6.1.4.1.16213.2.3.1.6.1
xfsCDMResetDeviceEntry OBJECT-TYPE
    SYNTAX XfsCDMResetDeviceEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "CDM Reset Device Table Entry."
    INDEX { xfsCDMResetDeviceManagedServiceName }
    ::= { xfsCDMResetDeviceTable 1 }

XfsCDMResetDeviceEntry ::=
    SEQUENCE {
        xfsCDMResetDeviceManagedServiceName
            DisplayString,
        xfsCDMResetDeviceAction
            INTEGER,
        xfsCDMResetDeviceMediaControl
            INTEGER,
        xfsCDMResetDeviceStatus
            INTEGER
    }

-- 1.3.6.1.4.1.16213.2.3.1.6.1.1
xfsCDMResetDeviceManagedServiceName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Instance identifier of the managed service."
    ::= { xfsCDMResetDeviceEntry 1 }

-- 1.3.6.1.4.1.16213.2.3.1.6.1.2
xfsCDMResetDeviceAction OBJECT-TYPE
    SYNTAX INTEGER { executeReset(1) }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "Variable that initiates the device reset."
    ::= { xfsCDMResetDeviceEntry 2 }

-- 1.3.6.1.4.1.16213.2.3.1.6.1.3
xfsCDMResetDeviceMediaControl OBJECT-TYPE
    SYNTAX INTEGER
    {
        mediaDefault(1),
        mediaIn(2),
        mediaOut(3)
    }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Variable that reports the media handling during the device reset."
    ::= { xfsCDMResetDeviceEntry 3 }

-- 1.3.6.1.4.1.16213.2.3.1.6.1.4
xfsCDMResetDeviceStatus OBJECT-TYPE
    SYNTAX INTEGER
    {
        resetIdle(1),
        resetInProgress(2)
    }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        "Variable that reports the progress of the device reset."
    ::= { xfsCDMResetDeviceEntry 4 }
```



```

-- *****
-- CDM Device Capabilities Table
-- *****
-- 1.3.6.1.4.1.16213.2.3.1.7
-- 1.3.6.1.4.1.16213.2.3.1.7
xfsCDMCapabilitiesTable OBJECT-TYPE
    SYNTAX SEQUENCE OF XfsCDMCapabilitiesEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Define the set of MIB Variables for the CDM Capabilities table."
    ::= { xfsCDMV1 7 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1
-- 1.3.6.1.4.1.16213.2.3.1.7.1
xfsCDMCapabilitiesEntry OBJECT-TYPE
    SYNTAX XfsCDMCapabilitiesEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "CDM Device Capabilities Table Entry."
    INDEX { xfsCDMCapabilitiesManagedServiceName }
    ::= { xfsCDMCapabilitiesTable 1 }

XfsCDMCapabilitiesEntry ::=
    SEQUENCE {
        xfsCDMCapabilitiesManagedServiceName
            DisplayString,
        xfsCDMCapabilitiesDeviceType
            IxfsCDMCapabilitiesDeviceType,
        xfsCDMCapabilitiesMaxDispenseItems
            Integer32,
        xfsCDMCapabilitiesCompoundDevice
            TruthValue,
        xfsCDMCapabilitiesShutter
            TruthValue,
        xfsCDMCapabilitiesShutterControl
            TruthValue,
        xfsCDMCapabilitiesRetractAreas
            Integer32,
        xfsCDMCapabilitiesRetractTransportActions
            Integer32,
        xfsCDMCapabilitiesRetractStackerActions
            Integer32,
        xfsCDMCapabilitiesSafeDoor
            TruthValue,
        xfsCDMCapabilitiesCashbox
            TruthValue,
        xfsCDMCapabilitiesIntermediateStacker
            TruthValue,
        xfsCDMCapabilitiesItemsTakenSensor
            TruthValue,
        xfsCDMCapabilitiesOutputPositions
            Integer32,
        xfsCDMCapabilitiesMoveItems
            Integer32,
        xfsCDMCapabilitiesExchangeTypes
            Integer32,
        xfsCDMCapabilitiesGuidancePosLeft
            Integer32,
        xfsCDMCapabilitiesGuidancePosRight
            Integer32,
        xfsCDMCapabilitiesGuidancePosCenter
            Integer32,
        xfsCDMCapabilitiesGuidancePosTop
            Integer32,
        xfsCDMCapabilitiesGuidancePosBottom
            Integer32,
        xfsCDMCapabilitiesGuidancePosFront
            Integer32,
        xfsCDMCapabilitiesGuidancePosRear
            Integer32,

```

```

    xfsCDMCapabilitiesPowerSaveControl
        TruthValue,
    xfsCDMCapabilitiesPrepareDispense
        TruthValue,
    xfsCDMCapabilitiesAntiFraudModule
        TruthValue,
    xfsCDMCapabilitiesExtraCapability
        OCTET STRING
}

-- 1.3.6.1.4.1.16213.2.3.1.7.1.1
xfsCDMCapabilitiesManagedServiceName OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Instance identifier of the managed service."
 ::= { xfsCDMCapabilitiesEntry 1 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.2
xfsCDMCapabilitiesDeviceType OBJECT-TYPE
SYNTAX IxfsCDMCapabilitiesDeviceType
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Type of device."
 ::= { xfsCDMCapabilitiesEntry 2 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.3
xfsCDMCapabilitiesMaxDispenseItems OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Supplies the maximum number of items that can be dispensed. It is an
integer variable."
 ::= { xfsCDMCapabilitiesEntry 3 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.4
xfsCDMCapabilitiesCompoundDevice OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "It specifies whether the logical device is part of a compound physical
device. It is a TruthValue type field. Allowed values are.
    True(1),
    False(2)."
 ::= { xfsCDMCapabilitiesEntry 4 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.5
xfsCDMCapabilitiesShutter OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies if shutter control through the commands WFS_CMD_CDM_OPEN_SHUTTER
and WFS_CMD_CDM_CLOSE_SHUTTER is supported in a TruthValue variable as follows."
 ::= { xfsCDMCapabilitiesEntry 5 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.6
xfsCDMCapabilitiesShutterControl OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "If this TruthValue variable is TRUE the shutter is controlled implicitly
by the Service Provider. If set to FALSE the shutter must be controlled explicitly
by the application using the WFS_CMD_CDM_OPEN_SHUTTER and the
WFS_CMD_CDM_CLOSE_SHUTTER commands."

```

This field is always set to TRUE if the device has no shutter. This field applies to all shutters and all output positions."

```
 ::= { xfsCDMCapabilitiesEntry 6 }
```

-- 1.3.6.1.4.1.16213.2.3.1.7.1.7

```
xfsCDMCapabilitiesRetractAreas OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This integer variable specifies the areas to which items may be retracted.
This field will be set to a combination of the following flags."
 ::= { xfsCDMCapabilitiesEntry 7 }
```

-- 1.3.6.1.4.1.16213.2.3.1.7.1.8

```
xfsCDMCapabilitiesRetractTransportActions OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This integer variable specifies the actions which may be performed on
items which have been retracted to the transport. Allowed values are as follows."
 ::= { xfsCDMCapabilitiesEntry 8 }
```

-- 1.3.6.1.4.1.16213.2.3.1.7.1.9

```
xfsCDMCapabilitiesRetractStackerActions OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This integer variable specifies the actions which may be performed on
items which have been retracted to the stacker. Allowed values are as follows."
 ::= { xfsCDMCapabilitiesEntry 9 }
```

-- 1.3.6.1.4.1.16213.2.3.1.7.1.10

```
xfsCDMCapabilitiesSafeDoor OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies whether the WFS_CMD_CDM_OPEN_SAFE_DOOR command is supported in
TruthValue format."
 ::= { xfsCDMCapabilitiesEntry 10 }
```

-- 1.3.6.1.4.1.16213.2.3.1.7.1.11

```
xfsCDMCapabilitiesCashbox OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "It specifies whether or not the Tellers have been assigned a Cash Box in
TruthValue format."
 ::= { xfsCDMCapabilitiesEntry 11 }
```

-- 1.3.6.1.4.1.16213.2.3.1.7.1.12

```
xfsCDMCapabilitiesIntermediateStacker OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies if the device supports stacking items in an intermediate
stacking position in the following TruthValue variable."
 ::= { xfsCDMCapabilitiesEntry 12 }
```

-- 1.3.6.1.4.1.16213.2.3.1.7.1.13

```
xfsCDMCapabilitiesItemsTakenSensor OBJECT-TYPE
SYNTAX TruthValue
```

## CWA 16374-32:2014 (E)

```
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This TruthValue variable specifies whether or not the CDM can detect when
    items at the exit position are taken by the user. If set to TRUE the Service
    Provider generates an accompanying WFS_SRVE_CDM_ITEMS_TAKEN event. If set to FALSE
    this event is not generated. This field relates to all output positions."
    ::= { xfsCDMCapabilitiesEntry 13 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.14
xfsCDMCapabilitiesOutputPositions OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This integer variable specifies the CDM output positions which are
    available as a combination of the following flags."
    ::= { xfsCDMCapabilitiesEntry 14 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.15
xfsCDMCapabilitiesMoveItems OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This integer variable specifies the CDM move item options which are
    available as a combination of the following flags."
    ::= { xfsCDMCapabilitiesEntry 15 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.16
xfsCDMCapabilitiesExchangeTypes OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This integer variable specifies the type of cash unit exchange operations
    supported by the CDM. Values are a combination of the following flags."
    ::= { xfsCDMCapabilitiesEntry 16 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.17
xfsCDMCapabilitiesGuidancePosLeft OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies the guidance light capability at the left output position."
    ::= { xfsCDMCapabilitiesEntry 17 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.18
xfsCDMCapabilitiesGuidancePosRight OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies the guidance light capability at the right output position."
    ::= { xfsCDMCapabilitiesEntry 18 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.19
xfsCDMCapabilitiesGuidancePosCenter OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies the guidance light capability at the center output position."
    ::= { xfsCDMCapabilitiesEntry 19 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.20
xfsCDMCapabilitiesGuidancePosTop OBJECT-TYPE
```

```

SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies the guidance light capability at the top output position."
 ::= { xfsCDMCapabilitiesEntry 20 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.21
xfsCDMCapabilitiesGuidancePosBottom OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies the guidance light capability at the bottom output position."
 ::= { xfsCDMCapabilitiesEntry 21 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.22
xfsCDMCapabilitiesGuidancePosFront OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies the guidance light capability at the front output position."
 ::= { xfsCDMCapabilitiesEntry 22 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.23
xfsCDMCapabilitiesGuidancePosRear OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Specifies the guidance light capability at the rear output position."
 ::= { xfsCDMCapabilitiesEntry 23 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.24
xfsCDMCapabilitiesPowerSaveControl OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This TruthValue variable specifies whether or not power
    saving control is available."
 ::= { xfsCDMCapabilitiesEntry 24 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.25
xfsCDMCapabilitiesPrepareDispense OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This TruthValue variable specifies whether or not the hardware requires
    the application to use the WFS_CMD_CDM_PREPARE_DISPENSE command to
    maximize transaction performance."
 ::= { xfsCDMCapabilitiesEntry 25 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.26
xfsCDMCapabilitiesAntiFraudModule OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "This TruthValue variable specifies whether or not an anti-fraud module is
available."
 ::= { xfsCDMCapabilitiesEntry 26 }

-- 1.3.6.1.4.1.16213.2.3.1.7.1.100
xfsCDMCapabilitiesExtraCapability OBJECT-TYPE
SYNTAX OCTET STRING

```

## CWA 16374-32:2014 (E)

```
MAX-ACCESS read-only
STATUS current
DESCRIPTION
    "Vendor dependant extra capabilities."
 ::= { xfsCDMCapabilitiesEntry 100 }

-- 1.3.6.1.4.1.16213.3.0
xfsTrapV2 OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "Root node for the converted TRAP-TYPES."
 ::= { xfsTrap 0 }

-- *****
-- Trap definitions
-- *****
-- 1.3.6.1.4.1.16213.3.0.103
xfsCDMDetailedDSCTrap NOTIFICATION-TYPE
    OBJECTS { xfsCommonTrapSysName, xfsCommonTrapManagedServiceName,
xfsCommonTrapManagedServiceClass, xfsCommonTrapManagedServiceClassName,
xfsCommonTrapManagedServiceType,
        xfsCommonTrapManagedServiceOid, xfsCommonTrapPhysicalDeviceName,
xfsCommonTrapDeviceVendor, xfsCommonTrapMIBVersion, xfsCommonTrapEvent,
        xfsCommonTrapDate, xfsCommonTrapSPVersion, xfsCDMStatusDevice,
xfsCDMStatusNumberSubDevices, xfsCDMStatusSafeDoor,
        xfsCDMStatusDispenser, xfsCDMStatusIntermediateStacker,
xfsCDMStatusShutterCenter, xfsCDMStatusOutputPositionCenter,
xfsCDMStatusTransportCenter,
        xfsCDMStatusTransportStatusCenter, xfsCDMStatusShutterLeft,
xfsCDMStatusOutputPositionLeft, xfsCDMStatusTransportLeft,
xfsCDMStatusTransportStatusLeft,
        xfsCDMStatusShutterRight, xfsCDMStatusOutputPositionRight,
xfsCDMStatusTransportRight, xfsCDMStatusTransportStatusRight,
xfsCDMStatusShutterTop,
        xfsCDMStatusOutputPositionTop, xfsCDMStatusTransportTop,
xfsCDMStatusTransportStatusTop, xfsCDMStatusShutterBottom,
xfsCDMStatusOutputPositionBottom,
        xfsCDMStatusTransportBottom, xfsCDMStatusTransportStatusBottom,
xfsCDMStatusShutterFront, xfsCDMStatusOutputPositionFront,
xfsCDMStatusTransportFront,
        xfsCDMStatusTransportStatusFront, xfsCDMStatusShutterRear,
xfsCDMStatusOutputPositionRear, xfsCDMStatusTransportRear,
xfsCDMStatusTransportStatusRear,
        xfsCDMStatusExtraStatus, xfsCDMStatusGuidancePosLeft,
xfsCDMStatusGuidancePosRight, xfsCDMStatusGuidancePosCenter,
xfsCDMStatusGuidancePosTop,
        xfsCDMStatusGuidancePosBottom, xfsCDMStatusGuidancePosFront,
xfsCDMStatusGuidancePosRear, xfsCDMStatusDevicePosition,
xfsCDMStatusPowerSaveRecoveryTime,
        xfsCDMStatusAntiFraudModule
    }
    STATUS current
    DESCRIPTION
        "This trap indicates a change in the status of a managed
        service."
 ::= { xfsTrapV2 103 }

-- 1.3.6.1.4.1.16213.3.0.203
xfsCDMSubDeviceTrap NOTIFICATION-TYPE
    OBJECTS { xfsCommonTrapManagedServiceName, xfsCommonTrapManagedServiceClass,
xfsCommonTrapManagedServiceClassName, xfsCommonTrapManagedServiceType,
xfsCommonTrapManagedServiceOid,
        xfsCommonTrapPhysicalDeviceName, xfsCommonTrapDeviceVendor,
xfsCommonTrapMIBVersion, xfsCommonTrapEvent, xfsCommonTrapDate,
        xfsCommonTrapSPVersion, xfsCDMSubDeviceIndex, xfsCDMSubDeviceCUType,
xfsCDMSubDeviceCUName, xfsCDMSubDeviceCULUnitID,
        xfsCDMSubDeviceCUCurrencyID, xfsCDMSubDeviceCUValues,
xfsCDMSubDeviceCULInitialCount, xfsCDMSubDeviceCULCount,
xfsCDMSubDeviceCULRejectCount,
```

```

        xfsCDMSubDeviceCUMinimum, xfsCDMSubDeviceCULMaximum,
xfsCDMSubDeviceCUAppLock, xfsCDMSubDeviceCULogicalStatus,
xfsCDMSubDeviceCUPhysicalPositionName,
        xfsCDMSubDeviceCUPUnitID, xfsCDMSubDeviceCUPInitialCount,
xfsCDMSubDeviceCUPCount, xfsCDMSubDeviceCUPRejectCount,
xfsCDMSubDeviceCUPMaximumCount,
        xfsCDMSubDeviceCUPhysicalStatus, xfsCDMSubDeviceCUHardwareSensor,
xfsCDMSubDeviceCUExponent, xfsCDMSubDeviceCULDispensedCount,
xfsCDMSubDeviceCULPresentedCount,
        xfsCDMSubDeviceCULRetractedCount, xfsCDMSubDeviceCUPDispensedCount,
xfsCDMSubDeviceCUPPresentedCount, xfsCDMSubDeviceCUPRetractedCount }
    STATUS current
    DESCRIPTION
        "This trap indicates a change in the status of sub-device within
        a managed service."
    ::= { xfsTrapV2 203 }

-- 1.3.6.1.4.1.16213.3.0.303
xfsCDMResetDeviceCompleteTrap NOTIFICATION-TYPE
    OBJECTS { xfsCommonTrapResetDeviceResult, xfsCommonTrapManagedServiceName,
xfsCommonTrapManagedServiceClass, xfsCommonTrapManagedServiceClassName,
xfsCommonTrapManagedServiceType,
        xfsCommonTrapManagedServiceOid, xfsCommonTrapPhysicalDeviceName,
xfsCommonTrapDeviceVendor, xfsCommonTrapMIBVersion, xfsCommonTrapDate,
        xfsCommonTrapSPVersion, xfsCDMStatusDevice, xfsCDMStatusNumberSubDevices,
xfsCDMStatusSafeDoor, xfsCDMStatusDispenser,
        xfsCDMStatusIntermediateStacker, xfsCDMStatusShutterCenter,
xfsCDMStatusOutputPositionCenter, xfsCDMStatusTransportCenter,
xfsCDMStatusTransportStatusCenter,
        xfsCDMStatusShutterLeft, xfsCDMStatusOutputPositionLeft,
xfsCDMStatusTransportLeft, xfsCDMStatusTransportStatusLeft,
xfsCDMStatusShutterRight,
        xfsCDMStatusOutputPositionRight, xfsCDMStatusTransportRight,
xfsCDMStatusTransportStatusRight, xfsCDMStatusShutterTop,
xfsCDMStatusOutputPositionTop,
        xfsCDMStatusTransportTop, xfsCDMStatusTransportStatusTop,
xfsCDMStatusShutterBottom, xfsCDMStatusOutputPositionBottom,
xfsCDMStatusTransportBottom,
        xfsCDMStatusTransportStatusBottom, xfsCDMStatusShutterFront,
xfsCDMStatusOutputPositionFront, xfsCDMStatusTransportFront,
xfsCDMStatusTransportStatusFront,
        xfsCDMStatusShutterRear, xfsCDMStatusOutputPositionRear,
xfsCDMStatusTransportRear, xfsCDMStatusTransportStatusRear,
xfsCDMStatusExtraStatus,
        xfsCDMStatusGuidancePosLeft, xfsCDMStatusGuidancePosRight,
xfsCDMStatusGuidancePosCenter, xfsCDMStatusGuidancePosTop,
xfsCDMStatusGuidancePosBottom,
        xfsCDMStatusGuidancePosFront, xfsCDMStatusGuidancePosRear,
xfsCDMStatusDevicePosition, xfsCDMStatusPowerSaveRecoveryTime,
        xfsCDMStatusAntiFraudModule
    }
    STATUS current
    DESCRIPTION
        "This trap indicates the Reset action has complete and reports the
        state of the device after the reset."
    ::= { xfsTrapV2 303 }

END

--
-- SMIV2_xfsCDM.mib
--

```

## 5. Appendix B - C-Header files

---

### 5.1 XFSMIBCDM.H

---

```

/*****
*
* xfsmibcdm.h          CEN/XFS - MIB CDM
*
*                      Version 3.20  --  Mar 28, 2014
*
*****/

#ifndef __inc_xfsmibcdm_h
#define __inc_xfsmibcdm_h

#ifdef __cplusplus
extern "C" {
#endif

/*****
* CDM Status #defines
*****/
enum IxfsCDMDoorStatus
{
    xfsCDMDoorNotSupported      = 2,
    xfsCDMDoorOpen,
    xfsCDMDoorClosed,
    xfsCDMDoorUnknown          =6
} xfsCDMSafeDoorStatus;

enum IxfsCDMDispenserStatus
{
    xfsCDMDispenserOK           = 1,
    xfsCDMDispenserCUState,
    xfsCDMDispenserCUStop,
    xfsCDMDispenserCUUnknown
} xfsCDMDispenserStatus;

enum IxfsCDMIntermediateStackerStatus
{
    xfsCDMISEmpty               = 1,
    xfsCDMISNotEmpty,
    xfsCDMISNotEmptyCust,
    xfsCDMISNotEmptyUnknown,
    xfsCDMISUnknown,
    xfsCDMISNotSupported
} xfsCDMIntermediateStackerStatus;

enum IxfsCDMShutterStatus
{
    xfsCDMShtClosed            = 1,
    xfsCDMShtOpen,
    xfsCDMShtJammed,
    xfsCDMShtUnknown,
    xfsCDMShtNotSupported
} xfsCDMShutterStatus;

enum IxfsCDMOutputPositionStatus
{
    xfsCDMPSEmpty              = 1,
    xfsCDMPSEmpty,
    xfsCDMPSEmpty,
    xfsCDMPSEmpty,
    xfsCDMPSEmpty
} xfsCDMOutputPositionStatus;

enum IxfsCDMTransportStatus

```



```

{
    xfsCDMTPOK = 1,
    xfsCDMTPInop,
    xfsCDMTPUknown,
    xfsCDMTPNotsupported
} xfsCDMTransportStatus;

enum IxfsCDMTransportStateStatus
{
    xfsCDMTPStateEmpty = 1,
    xfsCDMTPStateNotEmpty,
    xfsCDMTPStateNotEmptyCust,
    xfsCDMTPStateNotEmptyUnknown,
    xfsCDMTPStateNotSupported
} xfsCDMTransportStateStatus;

enum IxfsCDMDevicePositionStatus
{
    xfsCDMDeviceInPosition = 1,
    xfsCDMDeviceNotInPosition,
    xfsCDMDevicePosUnknown,
    xfsCDMDevicePosNotSupported
} xfsCDMDevicePositionStatus;

enum IxfsCDMAntiFraudModuleStatus
{
    xfsCDMRAFMNotSupported = 1,
    xfsCDMAFMOK,
    xfsCDMAFMInop,
    xfsCDMAFMDeviceDetected,
    xfsCDMAFMUnknown
} xfsCDMAntiFraudModuleStatus;

enum IxfsCDMCapabilitiesDeviceType
{
    xfsCDMTellerBill = 1,
    xfsCDMSelfServiceBill,
    xfsCDMTellerCoin,
    xfsCDMSelfServiceCoin
} xfsCDMCapabilitiesDeviceType;

/*****
* CDM SubDevice #defines
*****/
enum IxfsCDMCUType
{
    xfsCDMTypeNA = 2,
    xfsCDMTypeRejectCassette,
    xfsCDMTypeBillCassette,
    xfsCDMTypeCoinCylinder,
    xfsCDMTypeCoinDispenser,
    xfsCDMTypeRetractCassette,
    xfsCDMTypeCoupon,
    xfsCDMTypeDocument,
    xfsCDMTypeRepContainer = 12,
    xfsCDMTypeRecycling = 13
} xfsCDMCUType;

enum IxfsCDMCUStatus
{
    xfsCDMCUStatusOK = 1,
    xfsCDMCUStatusFull,
    xfsCDMCUStatusHigh,
    xfsCDMCUStatusLow,
    xfsCDMCUStatusEmpty,
    xfsCDMCUStatusInop,
    xfsCDMCUStatusMissing,
    xfsCDMCUStatusNoval,
    xfsCDMCUStatusNoref,

```

```

        xfsCDMCUStatusManip
    } xfsCDMCUStatus;

/*****
*
*       MIB Variables for the Status Table
*
*****/
#define xfsCDMStatusManagedServiceName      (1)
#define xfsCDMStatusNumberSubDevices        (2)
#define xfsCDMStatusDevice                   (3)
#define xfsCDMStatusSafeDoor                 (4)
#define xfsCDMStatusDispenser                (5)
#define xfsCDMStatusIntermediateStacker     (6)

#define xfsCDMStatusShutterCenter           (7)
#define xfsCDMStatusOutputPositionCenter    (8)
#define xfsCDMStatusTransportCenter         (9)
#define xfsCDMStatusTransportStatusCenter   (10)

#define xfsCDMStatusShutterLeft             (11)
#define xfsCDMStatusOutputPositionLeft      (12)
#define xfsCDMStatusTransportLeft           (13)
#define xfsCDMStatusTransportStatusLeft     (14)

#define xfsCDMStatusShutterRight            (15)
#define xfsCDMStatusOutputPositionRight     (16)
#define xfsCDMStatusTransportRight          (17)
#define xfsCDMStatusTransportStatusRight    (18)

#define xfsCDMStatusShutterTop              (19)
#define xfsCDMStatusOutputPositionTop       (20)
#define xfsCDMStatusTransportTop            (21)
#define xfsCDMStatusTransportStatusTop      (22)

#define xfsCDMStatusShutterBottom           (23)
#define xfsCDMStatusOutputPositionBottom    (24)
#define xfsCDMStatusTransportBottom         (25)
#define xfsCDMStatusTransportStatusBottom   (26)

#define xfsCDMStatusShutterFront            (27)
#define xfsCDMStatusOutputPositionFront     (28)
#define xfsCDMStatusTransportFront          (29)
#define xfsCDMStatusTransportStatusFront    (30)

#define xfsCDMStatusShutterRear             (31)
#define xfsCDMStatusOutputPositionRear      (32)
#define xfsCDMStatusTransportRear           (33)
#define xfsCDMStatusTransportStatusRear     (34)

#define xfsCDMStatusGuidancePosLeft         (35)
#define xfsCDMStatusGuidancePosRight        (36)
#define xfsCDMStatusGuidancePosCenter       (37)
#define xfsCDMStatusGuidancePosTop          (38)
#define xfsCDMStatusGuidancePosBottom       (39)
#define xfsCDMStatusGuidancePosFront        (40)
#define xfsCDMStatusGuidancePosRear         (41)
#define xfsCDMStatusDevicePosition          (42)
#define xfsCDMStatusPowerSaveRecoveryTime   (43)
#define xfsCDMStatusAntiFraudModule         (44)

#define xfsCDMStatusExtraStatus              (100)

/*****
*
*       MIB Variables for the SubDevice Table
*
*****/
#define xfsCDMSubDeviceManagedServiceName  (1)
#define xfsCDMSubDeviceIndex                (2)
#define xfsCDMSubDeviceCUType               (3)
#define xfsCDMSubDeviceCUName               (4)
#define xfsCDMSubDeviceCULUnitID           (5)
#define xfsCDMSubDeviceCUCurrencyID        (6)

```

```

#define xfsCDMSubDeviceCUValues (7)
#define xfsCDMSubDeviceCULInitialCount (8)
#define xfsCDMSubDeviceCULCount (9)
#define xfsCDMSubDeviceCULRejectCount (10)
#define xfsCDMSubDeviceCUMinimum (11)
#define xfsCDMSubDeviceCULMaximum (12)
#define xfsCDMSubDeviceCUAppLock (13)
#define xfsCDMSubDeviceCULogicalStatus (14)

#define xfsCDMSubDeviceCUPhysicalPositionName (15)
#define xfsCDMSubDeviceCUPUnitID (16)
#define xfsCDMSubDeviceCUPInitialCount (17)
#define xfsCDMSubDeviceCUPCount (18)
#define xfsCDMSubDeviceCUPRejectCount (19)
#define xfsCDMSubDeviceCUPMaximumCount (20)
#define xfsCDMSubDeviceCUPhysicalStatus (21)
#define xfsCDMSubDeviceCUHardwareSensor (22)
#define xfsCDMSubDeviceCUExponent (23)

#define xfsCDMSubDeviceCULDispensedCount (24)
#define xfsCDMSubDeviceCULPresentedCount (25)
#define xfsCDMSubDeviceCULRetractedCount (26)
#define xfsCDMSubDeviceCUPDispensedCount (27)
#define xfsCDMSubDeviceCUPPresentedCount (28)
#define xfsCDMSubDeviceCUPRetractedCount (29)

/*****
*
* MIB Variables for the Error Table
*
*****/
//Command codes and error codes correspond to the Service Provider definitions.

/*****
*
* MIB Variables for the Capabilities Table
*
*****/
#define xfsCDMCAbilitiesManagedServiceName (1)
#define xfsCDMCAbilitiesDeviceType (2)
#define xfsCDMCAbilitiesMaxDispenseItems (3)
#define xfsCDMCAbilitiesCompoundDevice (4)
#define xfsCDMCAbilitiesShutter (5)
#define xfsCDMCAbilitiesShutterControl (6)
#define xfsCDMCAbilitiesRetractAreas (7)
#define xfsCDMCAbilitiesRetractTransportActions (8)
#define xfsCDMCAbilitiesRetractStackerActions (9)
#define xfsCDMCAbilitiesSafeDoor (10)
#define xfsCDMCAbilitiesCashbox (11)
#define xfsCDMCAbilitiesIntermediateStacker (12)
#define xfsCDMCAbilitiesItemsTakenSensor (13)
#define xfsCDMCAbilitiesOutputPositions (14)
#define xfsCDMCAbilitiesMoveItems (15)
#define xfsCDMCAbilitiesExchangeTypes (16)
#define xfsCDMCAbilitiesGuidancePosLeft (17)
#define xfsCDMCAbilitiesGuidancePosRight (18)
#define xfsCDMCAbilitiesGuidancePosCenter (19)
#define xfsCDMCAbilitiesGuidancePosTop (20)
#define xfsCDMCAbilitiesGuidancePosBottom (21)
#define xfsCDMCAbilitiesGuidancePosFront (22)
#define xfsCDMCAbilitiesGuidancePosRear (23)
#define xfsCDMCAbilitiesPowerSaveControl (24)
#define xfsCDMCAbilitiesPrepareDispense (25)
#define xfsCDMCAbilitiesAntiFraudModule (26)
#define xfsCDMCAbilitiesExtraCapability (100)

#ifdef __cplusplus
} /*extern "C"*/
#endif

#endif /* __inc_xfsmibcdm_h */

```