

**CEN**

**CWA 14050-41**

**WORKSHOP**

July 2007

**AGREEMENT**

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ICS 35.200; 35.240.15; 35.240.40

English version

**Extensions for Financial Services (XFS) interface specification -  
Release 3.03 - Part 41: XFS MIB Device Specific Definitions -  
Cash In Module Device Class MIB 1.1**

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Ref. No.:CWA 14050-41:2007 D/E/F

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## Foreword

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This CWA is revision 3.03 of the XFS interface specification.

The CEN/ISSS XFS Workshop gathers suppliers as well as banks and other financial service companies. A list of companies participating in this Workshop and in support of this CWA is available from the CEN/ISSS Secretariat.

This CWA was formally approved by the XFS Workshop meeting on 2004-09-24. 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 3.03.

This document supersedes CWA 14050-41:2004.

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 Classes Definition; Programmer's Reference

Part 3: Printer 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: Application Programming Interface (API) - Service Provider Interface (SPI) - Migration from Version 2.0 (see CWA 13449) to Version 3.0 (this CWA) - Programmer's Reference

Part 17: Printer Device Class Interface - Migration from Version 2.0 (see CWA 13449) to Version 3.0 (this CWA) - Programmer's Reference

Part 18: Identification Card Device Class Interface - Migration from Version 2.0 (see CWA 13449) to Version 3.00 (see CWA 14050-4:2000; superseded) - Programmer's Reference

Part 19: Cash Dispenser Device Class Interface - Migration from Version 2.0 (see CWA 13449) to Version 3.0 (this CWA) - Programmer's Reference

Part 20: PIN Keypad Device Class Interface - Migration from Version 2.0 (see CWA 13449) to Version 3.00 (see CWA 14050-6:2000; superseded) - Programmer's Reference

Part 21: Depository Device Class Interface - Migration from Version 2.0 (see CWA 13449) to Version 3.0 (this CWA) - Programmer's Reference

Part 22: Text Terminal Unit Device Class Interface - Migration from Version 2.0 (see CWA 13449) to Version 3.0 (this CWA) - Programmer's Reference

Part 23: Sensors and Indicators Unit Device Class Interface - Migration from Version 2.0 (see CWA 13449) to Version 3.01 (this CWA) - Programmer's Reference

Part 24: Camera Device Class Interface - Migration from Version 2.0 (see CWA 13449) to Version 3.0 (this CWA) - Programmer's Reference

Part 25: Identification Card Device Class Interface - PC/SC Integration Guidelines

Part 26: Identification Card Device Class Interface - Migration from Version 3.0 (see CWA 14050-4:2000; superseded) to Version 3.02 (this CWA) - Programmer's Reference

Part 27: PIN Keypad Device Class Interface - Migration from Version 3.0 (see CWA 14050-6:2000; superseded) to Version 3.02 (this CWA) - Programmer's Reference

Part 28: Cash In Module Device Class Interface - Migration from Version 3.0 (see CWA 14050-15:2000; superseded) to Version 3.02 (this CWA) - Programmer's Reference

Part 42: PIN Keypad Device Class Interface - Migration from Version 3.02 (see CWA 14050-6:2003; superseded) to Version 3.03 (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.cenorm.be/iss/Workshop/XFS>.

The following parts 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 – Programmer's Reference

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

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

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

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

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

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

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

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

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

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

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

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

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

Part 44: XFS MIB Application Management

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.

Revision History:

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1.0	20 January 2004	Initial release of XFS MIB specification
1,1	15 April 2007	Update of the MIB to add support for a Detailed Status Trap, a Device Reset capability and the support of SMIV2. Also added CIM Exponent to Sub-Device.

This CEN Workshop Agreement is publicly available as a reference document from the National Members of CEN : AENOR, AFNOR, ASRO, BDS, BSI, CSNI, CYS, DIN, DS, ELOT, EVS, IBN, IPQ, IST, LVS, LST, MSA, MSZT, NEN, NSAI, ON, PKN, SEE, SIS, SIST, SFS, SN, SNV, SUTN and UNI

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

# 1 Introduction

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This document provides the device specific MIB definition (Management Information Base) variables for the xfsCIM 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 xfsCIM version one sub-tree is identified by:

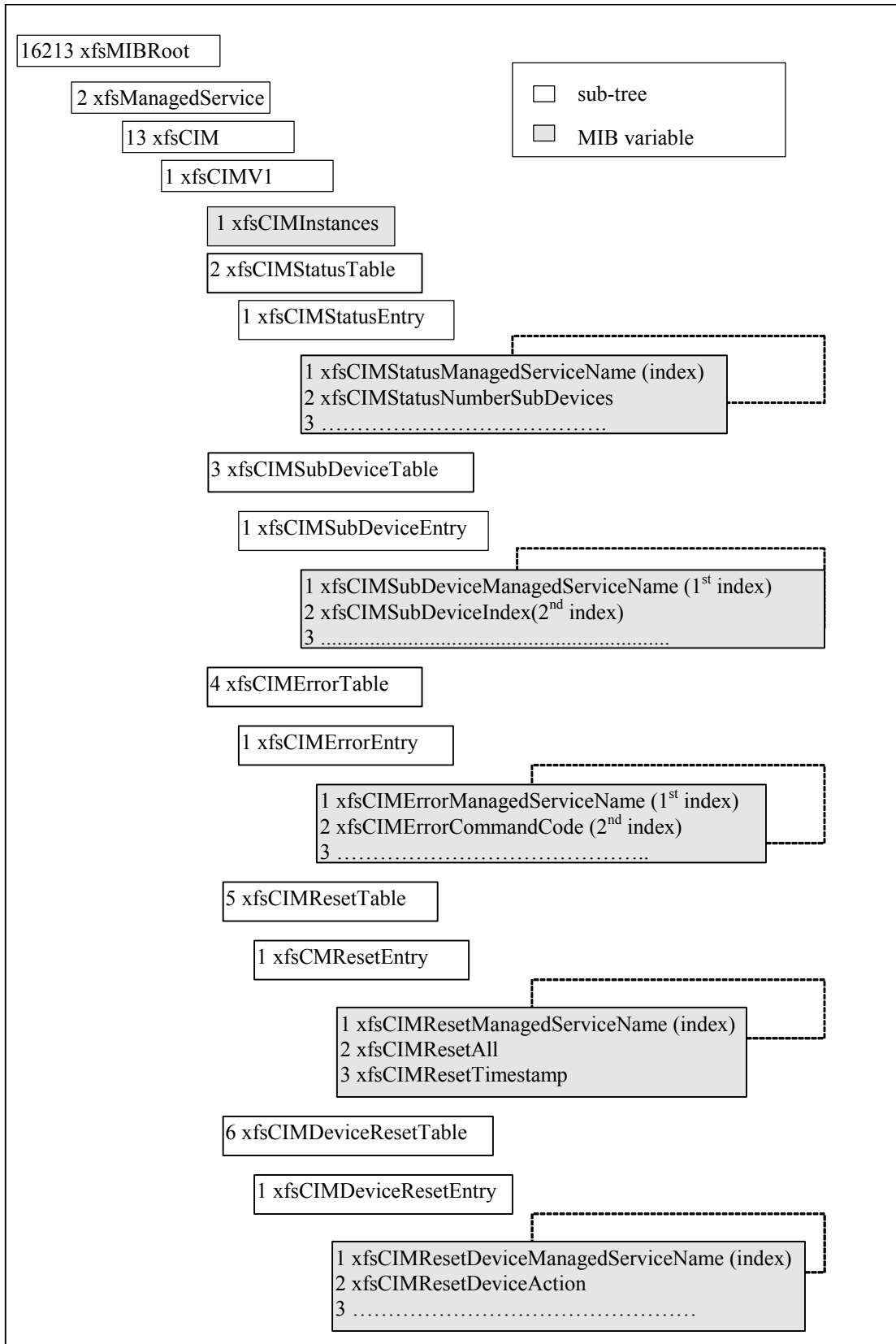
xfsMIBRoot

- xfsManagedService (2)
  - xfsCIM (13)
    - xfsCIMV1 (1)

The xfsCIMV1 sub-tree contains the following variables:

- *xfsCIMInstances(1)* is the number of managed services for the CIM class installed on the XFS subsystem. It is a 32 bit numerical field.
- *xsfCIMStatusTable(2)* identifies the table for the CIM variables.
- *xfsCIMSubDeviceTable(3)* this table contains the sub-device table for the CIM device.
- *xfCIMErrorTable(4)* identifies the table for the CIM error counter variables.
- *xfsCIMResetTable(5)* identifies the table for the CIM reset variable.
- *xfsCIMResetDeviceTable(6)* identifies the table for the CIM reset device 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 *xfsCIMV1* sub-tree.



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

## 2 XFS CIM MIB variables

This section describes the MIB variables for the tables of the CIM 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 Acceptor 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\_CIM\_RESET command to be executed from the management station.

## 2.1 XFS CIM Status Table

The `xfsCIMStatusTable(2)` groups the variables identifying device status information, statistics and auxiliary variables. It is indexed through a single parameter, `xfsCIMStatusManagedServiceName`. 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.

`xfsCIMManagedServiceName` is the instance identifier of the managed service and uniquely identifies one instance of the CIM class.

As an example, the identifier for the device status value of `xfsCIMStatusSafeDoor(4)` for a device with managed service name equal to "CashAcceptor1" is as follows:

Character	C	a	s	h	A	c	c	e	p	t	o	r	l
ASCII Hex	43	61	73	68	41	63	63	65	70	74	6F	72	31
ASCII Dec	67	97	115	104	65	99	99	101	112	116	111	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.2.13.1.2.1.4.13.67.97.115.104.65.99.99.101.112.116.111.114.49.`

### 2.1.1 xfsCIMStatusTable: States

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

`xfsCIMStatusManagedServiceName (1)`

Uniquely identifies the managed service

`xfsCIMStatusNumberSubDevices (2)`

Defines how many sub-devices the service has.

`xfsCIMStatusDevice (3)`

Contains the state of the cash acceptor device. Allowed values are:

Value	Meaning
<code>xfsCIMDevOnline(1)</code>	The device is online. This is returned when the acceptor is present and operational.
<code>xfsCIMDevOffline(2)</code>	The device is offline (e.g. the operator has taken the device offline by turning a switch or pulling out the device).
<code>xfsCIMDevPowerOff(3)</code>	The device is powered off or physically not connected
<code>xfsCIMDevNoDevice(4)</code>	The device is not intended to be there, e.g. this type of self-service machine does not contain such a device or it is internally not configured.

- xfsCIMDevHWError(5) The device is inoperable due to a hardware error
- xfsCIMDevUserError(6) The device is present but a person is preventing proper device operation.
- xfsCIMDevBusy(7) The device is busy and unable to process an execute command at this time.

## xfsCIMStatusSafeDoor (4)

Contains the state of the safe door. Allowed values are:

Value	Meaning
xfsCIMDoorNotSupported(2)	Safe door is not supported.
xfsCIMDoorOpen(3)	Safe door is open.
xfsCIMDoorClosed(4)	Safe door is closed.
xfsCIMDoorUnknown(5)	Due to a hardware error or other condition, the state of the door cannot be determined.

## xfsCIMStatusAcceptor (5)

Contains the state of the acceptor. Allowed values are:

Value	Meaning
xfsCIMAccOK(1)	All cash in units present are in a good state
xfsCIMAccCUState(2)	The acceptor is operational, but one or more of the cash in units is in a high, full or inoperative condition. Items can still be accepted into at least one of the cash in units.
xfsCIMAccCUStop(3)	Due to a cash in unit failure accepting is impossible. The acceptor is operational, but no items can be accepted because all of the cash in units are in a full or inoperative condition. This state also occurs when a retract cash unit is full or no retract cash unit is present, or an application lock is set on every cash in unit.
xfsCIMAccCUUnknown(4)	Due to a hardware error or other condition, the state of the cash in units cannot be determined

## xfsCIMStatusIntermediateStacker (6)

Contains the state of the intermediate stacker. Allowed values are:

Value	Meaning
xfsCIMIsEmpty(1)	The intermediate stacker is empty.
xfsCIMIsNotEmpty(2)	The intermediate stacker is not empty.
xfsCIMIsFull(3)	The intermediate stacker is full.
xfsCIMIsUnknown(4)	Due to a hardware error or other condition, the state of the intermediate stacker cannot be determined
xfsCIMIsNotSupported(5)	The physical device has no intermediate stacker

## xfsCIMStatusStackerItems (7)

Contains the state of the items on the intermediate stacker. Allowed values are:

Value	Meaning
xfsCIMCustomerAccess(1)	Items on the intermediate stacker have been in customer access. If the device is a recycler then the items on the intermediate stacker may be there as a result of a previous cash out operation.



xfscIMNoCustomerAccess(2)	Items on the intermediate stacker have not been in customer access.
xfscIMAccessUnknown(3)	It is not known if the items on the intermediate stacker have been in customer access.
xfscIMNoItems(5)	There are no items on the intermediate stacker or the physical device has no intermediate stacker.

#### xfscIMStatusBankNoteReader (8)

Contains the state of the bank note reader. Allowed values are:

Value	Meaning
xfscIMBNROK(1)	The banknote reader is in a good state.
xfscIMBNRINOP(2)	The banknote reader is inoperable.
xfscIMBNRUnknown(3)	Due to a hardware error or other condition, the state of the banknote reader cannot be determined
xfscIMBNRNotSupported(4)	The physical device has no banknote reader.

#### xfscIMStatusDropBox (9)

Contains the state of the drop box either containing items (TRUE) or not containing items (FALSE). It is a Truth Value (RFC1253-MIB) where 1 = TRUE and 2 = FALSE.

#### xfscIMStatusShutterInputCenter (10)

Contains the state of the shutter of center input position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscIMStatusPositionInputCenter (11)

Contains the state of the cash tray of center input position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

#### xfscIMStatusTransportInputCenter (12)

Contains the state of the transport mechanism of center input position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

xfscIMStatusTransportItemsInputCenter (13)

Contains the state of the items on the transport of center input position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

xfscIMStatusShutterInputLeft (14)

Contains the state of the shutter of left input position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

xfscIMStatusPositionInputLeft (15)

Contains the state of the cash tray of left input position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

xfscIMStatusTransportInputLeft (16)

Contains the state of the transport mechanism of left input position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

#### xfscIMStatusTransportItemsInputLeft (17)

Contains the state of the items on the transport of left input position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

#### xfscIMStatusShutterInputRight (18)

Contains the state of the shutter of right input position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscIMStatusPositionInputRight (19)

Contains the state of the cash tray of right input position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

#### xfscIMStatusTransportInputRight (20)

Contains the state of the transport mechanism of right input position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

#### xfscIMStatusTransportItemsInputRight (21)

Contains the state of the items on the transport of right input position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

#### xfscIMStatusShutterInputTop (22)

Contains the state of the shutter of top input position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscIMStatusPositionInputTop (23)

Contains the state of the cash tray of top input position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

#### xfscIMStatusTransportInputTop (24)

Contains the state of the transport mechanism of top input position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported(4) The physical device has no transport or transport state reporting is not supported.

#### xfscIMStatusTransportItemsInputTop (25)

Contains the state of the items on the transport of top input position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

#### xfscIMStatusShutterInputBottom (26)

Contains the state of the shutter of bottom input position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscIMStatusPositionInputBottom (27)

Contains the state of the cash tray of bottom input position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

#### xfscIMStatusTransportInputBottom (28)

Contains the state of the transport mechanism of bottom input position. Allowed values are:

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

xfscimTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscimTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

#### xfscimStatusTransportItemsInputBottom (29)

Contains the state of the items on the transport of bottom input position. Allowed values are:

Value	Meaning
xfscimTPStatEmpty(1)	The transport is empty.
xfscimTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscimTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscimTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscimTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

#### xfscimStatusShutterInputFront (30)

Contains the state of the shutter of front input position. Allowed values are:

Value	Meaning
xfscimShtClosed(1)	The shutter is closed.
xfscimShtOpen(2)	The shutter is opened.
xfscimShtJammed(3)	The shutter is jammed.
xfscimShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscimShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscimStatusPositionInputFront (31)

Contains the state of the cash tray of front input position. Allowed values are:

Value	Meaning
xfscimPSEmpty(1)	The output position is empty.
xfscimPSNotEmpty(2)	The output position is not empty.
xfscimPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscimPSNotSupported(4)	State reporting is not supported for this position.

#### xfscimStatusTransportInputFront (32)

Contains the state of the transport mechanism of front input position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

#### xfscIMStatusTransportItemsInputFront (33)

Contains the state of the items on the transport of front input position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

#### xfscIMStatusShutterInputRear (34)

Contains the state of the shutter of rear input position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscIMStatusPositionInputRear (35)

Contains the state of the cash tray of rear input position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

#### xfscIMStatusTransportInputRear (36)

Contains the state of the transport mechanism of rear input position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

xfscIMStatusTransportItemsInputRear (37)

Contains the state of the items on the transport of rear input position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

xfscIMStatusShutterOutputCenter (38)

Contains the state of the shutter of center output position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

xfscIMStatusPositionOutputCenter (39)

Contains the state of the cash tray of center output position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

xfscIMStatusTransportOutputCenter (40)

Contains the state of the transport mechanism of center output position. Allowed values are:

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



xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

#### xfscIMStatusTransportItemsOutputCenter (41)

Contains the state of the items on the transport of center output position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

#### xfscIMStatusShutterOutputLeft (42)

Contains the state of the shutter of left output position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscIMStatusPositionOutputLeft (43)

Contains the state of the cash tray of left output position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

#### xfscIMStatusTransportOutputLeft (44)

Contains the state of the transport mechanism of left output position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

xfscIMStatusTransportItemsOutputLeft (45)

Contains the state of the items on the transport of left output position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

xfscIMStatusShutterOutputRight (46)

Contains the state of the shutter of right output position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

xfscIMStatusPositionOutputRight (47)

Contains the state of the cash tray of right output position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

xfscIMStatusTransportOutputRight (48)

Contains the state of the transport mechanism of right output position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

#### xfscIMStatusTransportItemsOutputRight (49)

Contains the state of the items on the transport of right output position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

#### xfscIMStatusShutterOutputTop (50)

Contains the state of the shutter of top output position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscIMStatusPositionOutputTop (51)

Contains the state of the cash tray of top output position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

#### xfscIMStatusTransportOutputTop (52)

Contains the state of the transport mechanism of top output position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

xfscIMStatusTransportItemsOutputTop (53)

Contains the state of the items on the transport of top output position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

xfscIMStatusShutterOutputBottom (54)

Contains the state of the shutter of bottom output position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

xfscIMStatusPositionOutputBottom (55)

Contains the state of the cash tray of bottom output position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

xfscIMStatusTransportOutputBottom (56)

Contains the state of the transport mechanism of bottom output position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

#### xfscIMStatusTransportItemsOutputBottom (57)

Contains the state of the items on the transport of bottom output position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

#### xfscIMStatusShutterOutputFront (58)

Contains the state of the shutter of front output position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscIMStatusPositionOutputFront (59)

Contains the state of the cash tray of front output position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

#### xfscIMStatusTransportOutputFront (60)

Contains the state of the transport mechanism of front output position. Allowed values are:

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

xfscIMTPUnknown(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

xfscIMTPNotSupported (4) The physical device has no transport or transport state reporting is not supported.

#### xfscIMStatusTransportItemsOutputFront (61)

Contains the state of the items on the transport of front output position. Allowed values are:

Value	Meaning
xfscIMTPStatEmpty(1)	The transport is empty.
xfscIMTPStatNotEmpty(2)	The transport is not empty, the items have not been in customer access.
xfscIMTPStatNotEmptyCust(3)	Items which a customer has had access to are on the transport.
xfscIMTPStatNotEmptyUnk(4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
xfscIMTPStatNotSupported(5)	The device is not capable of reporting whether or not items are on the transport.

#### xfscIMStatusShutterOutputRear (62)

Contains the state of the shutter of rear output position. Allowed values are:

Value	Meaning
xfscIMShtClosed(1)	The shutter is closed.
xfscIMShtOpen(2)	The shutter is opened.
xfscIMShtJammed(3)	The shutter is jammed.
xfscIMShtUnknown(4)	Due to a hardware error or other condition, the state of the shutter cannot be determined.
xfscIMShtNotSupported(5)	The physical device has no shutter or shutter state reporting is not supported.

#### xfscIMStatusPositionOutputRear (63)

Contains the state of the cash tray of rear output position. Allowed values are:

Value	Meaning
xfscIMPSEmpty(1)	The output position is empty.
xfscIMPSNotEmpty(2)	The output position is not empty.
xfscIMPSUnknown(3)	Due to a hardware error or other condition, the state of the output position cannot be determined.
xfscIMPSNotSupported(4)	State reporting is not supported for this position.

#### xfscIMStatusTransportOutputRear (64)

Contains the state of the transport mechanism of rear output position. Allowed values are:

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

*xfscIMTPUnknown*(3) Due to a hardware error or other condition, the state of the transport cannot be determined.

*xfscIMTPNotSupported* (4) The physical device has no transport or transport state reporting is not supported.

*xfscIMStatusTransportItemsOutputRear* (65)

Contains the state of the items on the transport of rear output position. Allowed values are:

Value	Meaning
<i>xfscIMTPStatEmpty</i> (1)	The transport is empty.
<i>xfscIMTPStatNotEmpty</i> (2)	The transport is not empty, the items have not been in customer access.
<i>xfscIMTPStatNotEmptyCust</i> (3)	Items which a customer has had access to are on the transport.
<i>xfscIMTPStatNotEmptyUnk</i> (4)	Due to a hardware error or other condition it is not known whether there are items on the transport.
<i>xfscIMTPStatNotSupported</i> (5)	The device is not capable of reporting whether or not items are on the transport.

*xfscIMStatusExtraStatus*(100)

Contains vendor dependent additional device status information. It is 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.

## 2.2 XFS CIM Sub Device Table

The *xfscIMSubDeviceTable*(3) groups the variables identifying information for the cash units. It is indexed through two values, *xfscIMSubDeviceManagedServiceName* and *xfscIMSubDeviceIndex*. All SubDevice variables are read-only.

*xfscIMSubDeviceManagedServiceName* is the instance identifier of the managed service and uniquely identifies one instance of the CIM class. As an example, the identifier for the subdevice status value of *xfscIMSubDeviceCUItemType*(4) for subdevice index 1 on a device with managed service name equal to "CashAcceptor1" is as follows:

Character	C	a	s	h	A	c	c	e	p	t	o	r	l
ASCII	43	61	73	68	41	63	63	65	70	74	6F	72	31
Hex													
ASCII	67	97	115	104	65	99	99	101	112	116	111	114	49
Dec													

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:

`xfscMIBRoot.2.13.1.3.1.4.13.67.97.115.104.65.99.99.101.112.116.111.114.49.1`

### 2.2.1 xfscIMSubDeviceTable:

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

It should be noted that in XFS the CIM 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 CIM each Sub Device represents data from one logical to one physical cash unit pairing. The information for the CIM MIB Sub Device Table comes from the XFS CIM command WFS\_INF\_CIM\_CASH\_UNIT\_INFO.

xfsCIMSubDeviceManagedServiceName (1)  
Uniquely identifies the managed service

xfsCIMSubDeviceIndex (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 CIM Sub-device table.

xfsCIMSubDeviceCUType (3)  
Contains the cash in unit type. It is a numeric type field. Allowed values are:

Value	Meaning
xfsCIMCUTypeRecycling(2)	Recycle cash unit. This type of cash unit is present only when the device is a Cash Recycler. It can be used for cash dispensing.
xfsCIMCUTypeCashIn(3)	Cash-In cash unit.
xfsCIMCUTypeRepContainer(4)	Replenishment container. A cash unit can be refilled from a replenishment container.
xfsCIMCUTypeRetractCassette(5)	Retract cash unit.

xfsCIMSubDeviceCUItemType (4)  
This is a numeric type field. It contains the type of items the cash in unit takes as a combination of hex values according to the values in the following table:

Value	XFS Name	Meaning
0x0001	WFS_CIM_CITYPALL	The cash in unit takes all banknote types.
0x0002	WFS_CIM_CITYPUNFIT	The cash in unit takes all unfit banknotes.
0x0004	WFS_CIM_CITYPINDIVIDUAL	The cash in unit or recycler takes all types of banknotes specified in an individual list.
0x0008	WFS_CIM_CITYPLEVEL3	Paragraph 6 level 3 notes are stored in this cash in unit
0x0010	WFS_CIM_CITYPLEVEL2	Paragraph 6 level 2 notes are stored in this cash in unit

xfsCIMSubDeviceCULUnitID (5)  
The Cash Unit Identifier for the logical cash unit. This is an OCTET STRING.

xfsCIMSubDeviceCUCurrencyID (6)  
An OCTET STRING storing the ISO format Currency ID.

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

xfsCIMSubDeviceCUCashInCount (8)



This is a numeric field that contains the count of items that have entered the cash in unit. It is a numeric type field.

**xfscIMSubDeviceCULCount (9)**

This is a numeric field. Contains the total number of notes of all types in the logical cash in unit.

**xfscIMSubDeviceCULMaximum (10)**

This is a numeric field. Maximum number of notes the Cash Unit can contain before generating an XFS threshold event.

**xfscIMSubDeviceCULogicalStatus (11)**

Contains the cash in unit state and is a numeric type field. Allowed values are:

Value	Meaning
xfscIMStatCUOK(1)	The cash unit is in a good state.
xfscIMStatCUFull(2)	The cash in cash unit or recycle unit is full.
xfscIMStatCUHigh(3)	The cash in cash unit is almost full (threshold).
xfscIMStatCULow(4)	The cash in cash unit is low.
xfscIMStatCUEmpty(5)	The recycle unit is empty.
xfscIMStatCUInop (6)	The cash in cash unit or recycle unit is inoperative.
xfscIMStatCUMissing(7)	The cash in cash unit is missing.
xfscIMStatCUNoVal(8)	The values of the specified cash unit are not available. This can be the case when the cash unit is changed without using the operator functions.
xfscIMStatCUNoRef(9)	There is no reference value available for the notes in this cash unit. The cash unit has not been configured.
xfscIMStatCUManip(10)	The cash unit has been changed when the device was not in the exchange state. Items cannot be accepted into this cash unit.

**xfscIMSubDeviceCUAppLock (12)**

This field does not apply to retract cash units. This will either be FALSE or TRUE. It is a Truth Value (RFC1253-MIB) where 1 = TRUE and 2 = FALSE. If it is true then items cannot be accepted into the cash unit.

**xfscIMSubDeviceCUPhysicalPositionName (13)**

A name identifying the physical location of the cash unit within the CIM. This is a DisplayString.

**xfscIMSubDeviceCUPUnitID (14)**

An OCTET string uniquely identifying the physical cash unit.

**xfscIMSubDeviceCUPCashInCount (15)**

Count of items that have entered the physical cash in unit. This counter is incremented whenever a bill enters the physical cash unit for any reason. It is a numeric type field.

**xfscIMSubDeviceCUPCount (16)**

Actual count of items in the physical cash unit. If the cash unit is a recycle cash unit then this value may not be the same as the value of *ulCashInCount*. It is a numeric type field.

**xfscIMSubDeviceCUPMaximum (17)**

Maximum count of items in the physical cash unit. It is a numeric type field. This is only for informational purposes.

*xfscimSubDeviceCUPhysicalStatus* (18)

Supplies the status of the physical cash unit. It is a numeric type field. Values are the same as for *xfscimSubDeviceCULogicalStatus*.

*xfscimSubDeviceCUPHardwareSensors* (19)

This will either be FALSE or TRUE. It is a Truth Value (RFC1253-MIB) where 1 = TRUE and 2 = FALSE. Specifies whether or not threshold events can be generated based on hardware sensors in the device. If this value is TRUE then threshold events may be generated based on hardware sensors as opposed to logical counts.

*xfscimSubDeviceCUExponent* (20)

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

*xfscimSubDeviceCUExtraStatus* (100)

Contains vendor dependent additional cash unit status information. It is 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.

## 2.3 XFS CIM Error Table

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The *xfscimErrorTable*(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

*xfscimErrorManagedServiceName*  
*xfscimErrorCommandCode*  
*xfscimErrorResponseCode*

The *xfscimErrorTable* is defined as:

- *xfscimErrorManagedServiceName*(1) which provides the primary index to the service in question. It is Display String field. The *xfscimErrorManagedServiceName* parameter corresponds to the value of *xfscimMIBRoot.xfscimGeneral.xfscimMIBV1.xfscimManagedServiceTable.xfscimManagedServiceEntry.xfscimManagedServiceName* in the general table. E.g. "CashAcceptor1".
- *xfscimErrorCommandCode*(2) is an index which identifies the command code that that response code related to, e.g. WFS\_CMD\_CIM\_CASH\_IN (1302). It is a 32 bit numerical field.
- *xfscimErrorResponseCode*(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\_CIM\_NOITEMS (-1316) is represented by 1316. It is a 32 bit numerical field
- *xfscimErrorCount*(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 the . WFS\_ERR\_CIM\_NOITEMS (-1316) error returned from the . WFS\_CMD\_CIM\_CASH\_IN (1302) command for a device with managed service name equal to "CashAcceptor1" is as follows:

*xfscimMIBRoot.2.13.1.4.1.4.16.67.97.115.104.65.99.99.101.112.116.111.114.49.1302.1316.*

## 2.4 XFS CIM Reset Table

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The *xfxCIMReset* table(5) contains the *xfxCIMResetAll* and *xfxCIMResetTimestamp* variables and is indexed by the single variable, *xfxCIMResetManagedServiceName*. When the *xfxCIMResetAll* 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 *xfxCIMResetTable*(5) is defined as:

- *xfxCIMResetManagedServiceName*(1) which provides the primary index to the service in question. It is Display String field. The *xfxCIMResetManagedServiceName* parameter corresponds to the value of *xfxCIMRoot.xfsGeneral.xfsManagedServiceTable.xfsManagedServiceEntry.xfsManagedServiceName* in the general table. E.g. “CashAcceptor1”.
- *xfxCIMResetAll*(2) is a read-write variable. Issue of a Set command on the *xfxCIMResetAll* 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 *xfxCIMResetAll* variable will return 0 (zero).
- *xfxCIMResetTimestamp*(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 Co-ordinated 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 “CashAcceptor1” by setting the value zero in the *xfxCIMResetAll* variable represented by :

*xfxMIBRoot.2.13.1.5.1.2.13.67.97.115.104.65.99.99.101.112.116.111.114.49*

## 2.5 XFS CIM Reset Device Table

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

The *xfxCIMResetDeviceAction* 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\_CIM\_RESET command will be issued.
4. Exclusive access to the device will be relinquished when the WFS\_CMD\_CIM\_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 *xfxCIMResetDeviceCompleteTrap* trap will be generated to report the result of the Device Reset request.

The *xfxCIMResetDeviceTable*(6) is defined as:

- *xfxCIMResetDeviceManagedServiceName*(1) which provides the index to the service in question. It is a Display String field. The *xfxCIMResetDeviceManagedServiceName* parameter corresponds to the value of *xfxMIBRoot.xfsGeneral.xfsMIBV1.xfsManagedServiceTable.xfsManagedServiceEntry.xfsManagedServiceName* in the general table. E.g. “CashAcceptor1”.

- *xfsCIMResetDeviceAction(2)* ) is a read-write variable. Issue of a Set command on the *xfsCIMResetDeviceAction* variable with value *executeReset(1)* will result in the device being reset as described above.
- *xfsCIMResetDeviceMediaControl(3)* ) is a read only variable. This variable reports how any media found within the device is handled. The value of the *xfsCIMResetDeviceMediaControl* 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. CIM retract area to retract media to) is configured through local SNMP Agent configuration.
- *xfsCIMResetDeviceStatus(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 "CashAcceptor1" is reset by setting the *xfsCIMResetDeviceAction* variable represented by:

*xfsMIBRoot.2.13.1.6.1.2.13.67.97.115.104.65.99.99.101.112.116.111.114.49*

## 3 CIM Traps

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

### 3.1 CIM 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 CIM 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 CIM reflect the CIMStatus Table as defined in section 2.1.

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\_CIM\_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 113 defines the trap as a CIMDetailed Device Status Change trap.

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

The following defines the variable bindings included in the CIMDetailed 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. CIM=1, IDC=2, CIM=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\_CIM\_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 CIM MIB class is represented by .1.3.6.1.4.1.16213.2.13

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.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.**

**xfsmCIMStatusDevice.xfsCIMStatusManagedServiceName(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.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusNumberSubDevices.xfsCIMStatusManagedServiceName (14)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusSafeDoor.xfsCIMStatusManagedServiceName (15)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusAcceptor.xfsCIMStatusManagedServiceName (16)**

It contains the state of the cash acceptor. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusIntermediateStacker.xfsCIMStatusManagedServiceName (17)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusStackerItems.xfsCIMStatusManagedServiceName (18)**

It contains the state of the items that were in the intermediate stacker. It is a numeric type field.

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusBanknoteReader.xfsCIMStatusManagedServiceName (19)**

It contains the state of the banknote reader. It is a numeric type field.

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusDropBox.xfsCIMStatusManagedServiceName (20)**

It contains the state of the drop box area. It is a numeric type field.

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputCenter.xfsCIMStatusManagedServiceName (21)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputCenter.xfsCIMStatusManagedServiceName (22)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputCenter.xfsCIMStatusManagedServiceName (23)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputCenter.xfsCIMStatusManagedServiceName (24)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputLeft.xfsCIMStatusManagedServiceName (25)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputLeft.xfsCIMStatusManagedServiceName (26)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputLeft.xfsCIMStatusManagedServiceName (27)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputLeft.xfsCIMStatusManagedServiceName (28)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputRight.xfsCIMStatusManagedServiceName (29)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputRight.xfsCIMStatusManagedServiceName (30)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputRight.xfsCIMStatusManagedServiceName (31)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputRight.xfsCIMStatusManagedServiceName (32)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputTop.xfsCIMStatusManagedServiceName (33)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputTop.xfsCIMStatusManagedServiceName (34)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputTop.xfsCIMStatusManagedServiceName (35)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputTop.xfsCIMStatusManagedServiceName (36)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputBottom.xfsCIMStatusManagedServiceName (37)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputBottom.xfsCIMStatusManagedServiceName (38)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputBottom.xfsCIMStatusManagedServiceName (39)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputBottom.xfsCIMStatusManagedServiceName (40)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputFront.xfsCIMStatusManagedServiceName (41)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputFront.xfsCIMStatusManagedServiceName (42)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputFront.xfsCIMStatusManagedServiceName (43)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputFront.xfsCIMStatusManagedServiceName (44)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputRear.xfsCIMStatusManagedServiceName (45)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputRear.xfsCIMStatusManagedServiceName (46)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputRear.xfsCIMStatusManagedServiceName (47)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputRear.xfsCIMStatusManagedServiceName (48)**

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



**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputCenter.xfsCIMStatusManagedServiceName (49)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputCenter.xfsCIMStatusManagedServiceName (50)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputCenter.xfsCIMStatusManagedServiceName (51)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputCenter.xfsCIMStatusManagedServiceName (52)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputLeft.xfsCIMStatusManagedServiceName (53)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputLeft.xfsCIMStatusManagedServiceName (54)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputLeft.xfsCIMStatusManagedServiceName (55)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputLeft.xfsCIMStatusManagedServiceName (56)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputRight.xfsCIMStatusManagedServiceName (57)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputRight.xfsCIMStatusManagedServiceName (58)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputRight.xfsCIMStatusManagedServiceName (59)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputRight.xfsCIMStatusManagedServiceName (60)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputTop.xfsCIMStatusManagedServiceName (61)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputTop.xfsCIMStatusManagedServiceName (62)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputTop.xfsCIMStatusManagedServiceName (63)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputTop.xfsCIMStatusManagedServiceName (64)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputBottom.xfsCIMStatusManagedServiceName (65)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputBottom.xfsCIMStatusManagedServiceName (66)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputBottom.xfsCIMStatusManagedServiceName (67)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputBottom.xfsCIMStatusManagedServiceName (68)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputFront.xfsCIMStatusManagedServiceName (69)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputFront.xfsCIMStatusManagedServiceName (70)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputFront.xfsCIMStatusManagedServiceName (71)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputFront.xfsCIMStatusManagedServiceName (72)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputRear.xfsCIMStatusManagedServiceName (73)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputRear.xfsCIMStatusManagedServiceName (74)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputRear.xfsCIMStatusManagedServiceName (75)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputRear.xfsCIMStatusManagedServiceName (76)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusExtraStatus.xfsCIMStatusManagedServiceName (77)**

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.

### 3.1.2 CIMDetailed Device Status Change Trap: an example

As an example, the following variable binding list represents a detailed device status change trap (6, 113) that is generated for a CIM with a managed service name of “CashAcceptor1”. It reports that the device is OFFLINE because the Acceptor is stopped.

xfMIBRoot.3.1.3.1	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSysName)
	“SST System 1”
xfMIBRoot.3.1.3.2	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceName)
	“CashAcceptor1”
xfMIBRoot.3.1.3.3	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClass)
	13 (WFS_SERVICE_CLASS_CIM)
xfMIBRoot.3.1.3.4	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClassName)
	“CIM”
xfMIBRoot.3.1.3.5	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceType)
	1 (WFS_CIM_SELFSERVICEBILL)
xfMIBRoot.3.1.3.6	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceOid)
	” 1.3.6.1.4.1.16213.2.13”
xfMIBRoot.3.1.3.7	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapPhysicalDeviceName)
	“ABC Corp Cash Acceptor”
xfMIBRoot.3.1.3.8	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDeviceVendor)
	“Best Device Incorporated”
xfMIBRoot.3.1.3.9	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapMIBVersion)
	“1.10”
xfMIBRoot.3.1.3.10	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapEvent)
	4 (WFS_SYSE_DEVICE_STATUS)
xfMIBRoot.3.1.3.11	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDate)
	“20/03/2003 15:40:53 -300”
xfMIBRoot.3.1.3.12	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSPVersion)
	“1.23”
xfMIBRoot.2.13.1.2.1.3.Index	(xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusDevice.xfsCIMStatusManagedServiceName)
	2 (WFS_STAT_DEVOFFLINE)
xfMIBRoot.2.13.1.2.1.2.Index	(xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusNumberSubDevices.xfsCIMStatusManagedServiceName)
	1 (One sub device)
xfMIBRoot.2.13.1.2.1.4.Index	(xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusSafeDoor.xfsCIMStatusManagedServiceName)
	3 (xfsCIMDoorClosed)
xfMIBRoot.2.13.1.2.1.5.Index	(xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusAcceptor.xfsCIMStatusManagedServiceName)

	3 (xfsCIMAccCuStop)
xfsMIBRoot.2.13.1.2.1.6.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusIntermediateStacker</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMIsEmpty)
xfsMIBRoot.2.13.1.2.1.7.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusStackerItems</b> .xfsCIMStatusManagedServiceName)
	5 (xfsCIMNoItems)
xfsMIBRoot.2.13.1.2.1.8.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusBanknoteReader</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMBNROK)
xfsMIBRoot.2.13.1.2.1.9.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusDropBox</b> .xfsCIMStatusManagedServiceName)
	1 (TRUE)
xfsMIBRoot.2.13.1.2.1.10.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusShutterInputCenter</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMShtClosed)
xfsMIBRoot.2.13.1.2.1.11.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusPositionInputCenter</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.12.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportInputCenter</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.13.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportItemsInputCenter</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.14.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusShutterInputLeft</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMShtClosed)
xfsMIBRoot.2.13.1.2.1.15.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusPositionInputLeft</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.16.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportInputLeft</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.17.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportItemsInputLeft</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.18.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusShutterInRight</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMShtClosed)
xfsMIBRoot.2.13.1.2.1.19.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusPositionInputRight</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.20.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportInputRight</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.21.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportItemsInputRight</b> .xfsCIMStatusManagedServiceName)

	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.22.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusShutterInputTop</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2.1.23.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusPositionInputTop</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.24.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportInputTop</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.25.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportItemsInputTop</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.26.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusShutterInputBottom</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2.1.27.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusPositionInputBottom</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.28.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportInputBottom</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.29.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportItemsInputBottom</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.30.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusShutterInputFront</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2.1.31.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusPositionInputFront</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.32.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportInputFront</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.33.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportItemsInputFront</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.34.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusShutterInputRear</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.3.1.35.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusPositionInputRear</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.36.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportInputRear</b> .xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.37.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. <b>.xfsCIMStatusTransportItemsInputRear</b> .xfsCIMStatusManagedServiceName)

	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.38.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputCenter.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2. 1.39.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputCenter.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.40.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputCenter.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.41.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOutputCenter.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.42.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputLeft.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2. 1.43.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputLeft.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.44.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputLeft.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.45.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOutputLeft.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.46.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputRight.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2. 1.47.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputRight.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.48.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputRight.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.49.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOutputRight.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.50.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputTop.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2. 1.51.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputTop.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.52.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputTop.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.53.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOutputTop.xfsCIMStatusManagedServiceName)

	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.54.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputBottom.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2.1.55.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputBottom.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.56.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputBottom.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.57.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOuputBottom.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.58.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputFront.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2.1.59.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputFront.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.60.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputFront.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.61.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputFront.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.62.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputRear.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2.1.63.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOuputRear.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2.1.64.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputRear.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.65.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputRear.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.1.100.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusExtraStatus.xfsCIMStatusManagedServiceName)
	"\0"\0" ( No extra data )

### 3.2 CIM Sub-Device Status Change Trap

On the CIM device class the Sub Device Status change traps are sent when a Retain Bin threshold event is generated. This trap is sent in addition to the threshold event defined in the architecture specification.

The definition of the content of the device specific fields within the Sub-Device Status trap ( fields 12-26) is defined in section [2.2](#).

The SNMP Specific trap value 213 defines the trap as a CIM Sub-Device Status Change trap.

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

The following defines the variable bindings included in the CIM Sub-Device Status Change Trap.

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. CIM=1, IDC=2, CIM=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\_CIM\_CAPABILITIES.fwType field.

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

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 CIM MIB class is represented by .1.3.6.1.4.1.16213.2.13

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 CIM this corresponds to the WFS\_USRE\_CIM\_RETRACTBINTHRESHOLD event.



**xfMIBRoot.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.

**xfMIBRoot.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.

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceIndex**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (12)

Index identifying the sub-device.

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUType**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (13)

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUItemType**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (14)

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCULUnitID**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (15)

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUCurrencyID**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (16)

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUValues**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (17)

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUCashInCount**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (18)

Number of items that have entered the cash in unit. It is a numeric type field.

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCULCount**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (19)

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCULMaximum**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (20)

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.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCULogicalStatus**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (21)

The status of the logical cash unit. It is a numeric type field.

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUAppLock**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (22)

This field does not apply to reject or retract cash units. It is a TruthValue.

xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.**xfSCIMS ubDeviceCUPhysicalPositionName**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (23)

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

xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.**xfSCIMS ubDeviceCUPUnitID**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (24)

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

xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.**xfSCIMS ubDeviceCUPCashInCount**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (25)

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

xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.**xfSCIMS ubDeviceCUPCount**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (26)

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

xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.**xfSCIMS ubDeviceCUPMaximum**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (27)

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

xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.**xfSCIMS ubDeviceCUPhysicalStatus**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (28)

The status of the physical cash unit. It is a numeric type field.

xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.**xfSCIMS ubDeviceCUPHardwareSensors**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (29)

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

xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.**xfSCIMS ubDeviceCUExponent**.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceTrapIndex (30)

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

xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.**xfSCIMS ubDeviceExtraStatus**.xfsCIMStatusManagedServiceName (26)

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.

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

As an example, the following variable binding list represents a CIM sub-device status change trap (6, 213) generated from a generic XFS SST system. This trap sends an alarm to the SNMP Manager when a WFS\_SRVE\_CIM\_CASHUNITINFOCHANGE event is generated.

xfMIBRoot.3.1.3.2	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceName)
	"CashAcceptor1"
xfMIBRoot.3.1.3.3	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClass)
	13 (WFS_SERVICE_CLASS_CIM)
xfMIBRoot.3.1.3.4	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClassName)
	"CIM"

xfsmIBRoot.3.1.3.5	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceType)
	1 (WFS_CIM_SELFSERVICEBILL)
xfsmIBRoot.3.1.3.6	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceOid)
	“.1.3.6.1.4.1.16213.2.13”
xfsmIBRoot.3.1.3.7	(xfsmIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapPhysicalDeviceName)
	“ABC Corp Cash Acceptor”
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)
	104 (WFS_SRVE_CIM_CASHUNITINFOCHANGED)
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.2.13.1.2.1.3.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceIndex.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	1 (Index to first sub device)
xfsmIBRoot.2.13.1.3.1.3.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUType.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	3 (xfsCIMTypecashIn)
xfsmIBRoot.2.13.1.3.1.4.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUItemType.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	4 (Individual)
xfsmIBRoot.2.13.1.3.1.5.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCULUnitID.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	“BC001”
xfsmIBRoot.2.13.1.3.1.6.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUCurrencyID.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	“EUR”
xfsmIBRoot.2.13.1.3.1.7.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUValues.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	10 ( 10 Minimum Dispense Units, i.e. 10 Euros )
xfsmIBRoot.2.13.1.3.1.8.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.xfsCIMSubDeviceCUCashInCount.xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)

	Index)
	10000 ( 10000 notes )
xfsmIBRoot.2.13.1.3.1.9.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCULCount</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	90000 ( 9000 Notes )
xfsmIBRoot.2.13.1.3.1.10.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCULMaximum</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	100000 ( 100000 Notes )
xfsmIBRoot.2.13.1.3.1.11.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCULogicalStatus</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	1 (xfsmIBStatCUOK)
xfsmIBRoot.2.13.1.3.1.12.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCUAppLock</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	2 ( FALSE )
xfsmIBRoot.2.13.1.3.1.13.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCUPhysicalPositionName</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	“TOP”
xfsmIBRoot.2.13.1.3.1.14.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCUPUnitID</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	“BC001”
xfsmIBRoot.2.13.1.3.1.15.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCUPCashInCount</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	4000 ( 4000 Notes )
xfsmIBRoot.2.13.1.3.1.16.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCUPCount</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	4000 ( 4000 Notes )
xfsmIBRoot.2.13.1.3.1.17.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCUPMaximum</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	40000 ( 40000 Notes )
xfsmIBRoot.2.13.1.3.1.18.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCUPhysicalStatus</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	1 ( xfsCIMCUSTatusOK )
xfsmIBRoot.2.13.1.3.1.19.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry. <b>xfsmIBSubDeviceCUPHardwareSensors</b> .xfsCIMStatusManagedServiceName.xfsCIMSubDeviceIndex)
	2 ( FALSE )
xfsmIBRoot.2.13.1.3.1.20.Index1.Index2	(xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMSubDeviceTable.xfsCIMSubDeviceEntry.

	<b>xfxCIMSubDeviceCUExponent</b> .xfxCIMStatusManagedServiceName.xfxCIMSubDeviceIndex)
	1
xfxCIMSubDeviceCUExponent	(xfxCIMSubDeviceCUExponent.xfxCIMStatusManagedServiceName.xfxCIMSubDeviceIndex)
xfxCIMSubDeviceExtraStatus	(xfxCIMSubDeviceExtraStatus.xfxCIMStatusManagedServiceName)
1.100.Index	"\0"\0" ( No extra data )

### 3.3 CIM Reset Device Complete Trap

On the CIM 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 313 defines the trap as a CIM Reset Device Complete trap.

#### 3.3.1 CIM Reset Device Complete Trap Format

The following defines the variable bindings included in the CIM 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.

xfxCIMSubDeviceCUExponent (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 **xfxCIMStatusDevice** binding ( var bind 12 below).

xfxCIMStatusManagedServiceName (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.

xfxCIMStatusManagedServiceClass (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.

xfxCIMStatusManagedServiceClassName (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.

xfxCIMStatusManagedServiceType (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\_CIM\_CAPABILITIES.fwType field.

xfxCIMStatusManagedServiceOid (6)

This variable binding represents the OID of the sub-tree within xfsManagedService defining the management information for this class of managed service. The class in module MIB class is represented by .1.3.6.1.4.1.16213.2.13

xfxCIMStatusPhysicalDeviceName (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.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.**

**xfsmCIMStatusDevice.xfsCIMStatusManagedServiceName(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.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusNumberSubDevices.xfsCIMStatusManagedServiceName (13)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusSafeDoor.xfsCIMStatusManagedServiceName (14)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusAccceptor.xfsCIMStatusManagedServiceName (15)**

It contains the state of the cash acceptor. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusIntermediateStacker.xfsCIMStatusManagedServiceName (16)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusStackerItems.xfsCIMStatusManagedServiceName (17)**

It contains the state of the items that were in the intermediate stacker. It is a numeric type field.

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusBanknoteReader.xfsCIMStatusManagedServiceName (18)**

It contains the state of the banknote reader. It is a numeric type field.

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusDropBox.xfsCIMStatusManagedServiceName` (19)

It contains the state of the drop box area. It is a numeric type field.

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputCenter.xfsCIMStatusManagedServiceName` (20)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputCenter.xfsCIMStatusManagedServiceName` (21)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputCenter.xfsCIMStatusManagedServiceName` (22)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputCenter.xfsCIMStatusManagedServiceName` (23)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputLeft.xfsCIMStatusManagedServiceName` (24)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputLeft.xfsCIMStatusManagedServiceName` (25)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputLeft.xfsCIMStatusManagedServiceName` (26)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputLeft.xfsCIMStatusManagedServiceName` (27)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputRight.xfsCIMStatusManagedServiceName` (28)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputRight.xfsCIMStatusManagedServiceName` (29)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputRight.xfsCIMStatusManagedServiceName` (30)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputRight.xfsCIMStatusManagedServiceName` (31)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputTop.xfsCIMStatusManagedServiceName` (32)

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

`xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputTop.xfsCIMStatusManagedServiceName` (33)

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputTop.xfsCIMStatusManagedServiceName (34)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputTop.xfsCIMStatusManagedServiceName (35)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputBottom.xfsCIMStatusManagedServiceName (36)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputBottom.xfsCIMStatusManagedServiceName (37)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputBottom.xfsCIMStatusManagedServiceName (38)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputBottom.xfsCIMStatusManagedServiceName (39)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputFront.xfsCIMStatusManagedServiceName (40)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputFront.xfsCIMStatusManagedServiceName (41)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputFront.xfsCIMStatusManagedServiceName (42)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputFront.xfsCIMStatusManagedServiceName (43)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterInputRear.xfsCIMStatusManagedServiceName (44)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionInputRear.xfsCIMStatusManagedServiceName (45)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportInputRear.xfsCIMStatusManagedServiceName (46)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsInputRear.xfsCIMStatusManagedServiceName (47)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputCenter.xfsCIMStatusManagedServiceName (48)**



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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputCenter.xfsCIMStatusManagedServiceName (49)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputCenter.xfsCIMStatusManagedServiceName (50)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputCenter.xfsCIMStatusManagedServiceName (51)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputLeft.xfsCIMStatusManagedServiceName (52)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputLeft.xfsCIMStatusManagedServiceName (53)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputLeft.xfsCIMStatusManagedServiceName (54)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputLeft.xfsCIMStatusManagedServiceName (55)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputRight.xfsCIMStatusManagedServiceName (56)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputRight.xfsCIMStatusManagedServiceName (57)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputRight.xfsCIMStatusManagedServiceName (58)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputRight.xfsCIMStatusManagedServiceName (59)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputTop.xfsCIMStatusManagedServiceName (60)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputTop.xfsCIMStatusManagedServiceName (61)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputTop.xfsCIMStatusManagedServiceName (62)**

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

**xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputTop.xfsCIMStatusManagedServiceName (63)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputBottom.xfsCIMStatusManagedServiceName (64)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputBottom.xfsCIMStatusManagedServiceName (65)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputBottom.xfsCIMStatusManagedServiceName (66)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputBottom.xfsCIMStatusManagedServiceName (67)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputFront.xfsCIMStatusManagedServiceName (68)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputFront.xfsCIMStatusManagedServiceName (69)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputFront.xfsCIMStatusManagedServiceName (70)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputFront.xfsCIMStatusManagedServiceName (71)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusShutterOutputRear.xfsCIMStatusManagedServiceName (72)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusPositionOutputRear.xfsCIMStatusManagedServiceName (73)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportOutputRear.xfsCIMStatusManagedServiceName (74)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusTransportItemsOutputRear.xfsCIMStatusManagedServiceName (75)**

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

**xfsmIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry.xfsCIMStatusExtraStatus.xfsCIMStatusManagedServiceName (76)**

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.

### 3.3.2 CIM Reset Device Complete: an example

As an example, the following variable binding list represents a Reset Device Complete trap (6, 313) 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 “CashAcceptor1”.

xfMIBRoot.3.1.3.13	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars. xfsCommonTrapResetDeviceResult)
	0 (resetExecuted)
xfMIBRoot.3.1.3.2	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceName)
	“CashAcceptor1”
xfMIBRoot.3.1.3.3	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClass)
	13 (WFS_SERVICE_CLASS_CIM)
xfMIBRoot.3.1.3.4	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceClassName)
	“CIM”
xfMIBRoot.3.1.3.5	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceType)
	1 (WFS_CIM_SELFSEVICEBILL)
xfMIBRoot.3.1.3.6	(xfMIBRoot.xfsTrap.xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapManagedServiceOid)
	” 1.3.6.1.4.1.16213.2.13”
xfMIBRoot.3.1.3.7	(xfMIBRoot.xfsTrap. xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapPhysicalDeviceName)
	“ABC Corp Cash Acceptor”
xfMIBRoot.3.1.3.8	(xfMIBRoot.xfsTrap. xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDeviceVendor)
	“Best Device Incorporated”
xfMIBRoot.3.1.3.9	(xfMIBRoot.xfsTrap. xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapMIBVersion)
	“1.10”
xfMIBRoot.3.1.3.11	(xfMIBRoot.xfsTrap. xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapDate)
	“20/03/2003 15:40:53 -300”
xfMIBRoot.3.1.3.12	(xfMIBRoot.xfsTrap. xfsTrapV1.xfsCommonTrapVars.xfsCommonTrapSPVersion)
	“1.23”
xfMIBRoot.2.13.1.2. 1.3.Index	(xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. .xfsCIMStatusDevice.xfsCIMStatusManagedServiceName)
	1 (WFS_STAT_DEVONLINE)
xfMIBRoot.2.13.1.2. 1.2.Index	(xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. .xfsCIMStatusNumberSubDevices.xfsCIMStatusManagedServiceName)
	1 (One sub device)
xfMIBRoot.2.13.1.2. 1.4.Index	(xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. .xfsCIMStatusSafeDoor.xfsCIMStatusManagedServiceName)
	3 (xfsCIMDoorClosed)
xfMIBRoot.2.13.1.2. 1.5.Index	(xfMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry. .xfsCIMStatusAcceptor.xfsCIMStatusManagedServiceName)
	1 (xfsCIMAccOK)

xfMIBRoot.2.13.1.2.1.6.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusIntermediateStacker</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMIsEmpty)
xfMIBRoot.2.13.1.2.1.7.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusStackerItems</b> .xfCIMStatusManagedServiceName)
	5 (xfCIMNoItems)
xfMIBRoot.2.13.1.2.1.8.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusBanknoteReader</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMBNROK)
xfMIBRoot.2.13.1.2.1.9.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusDropBox</b> .xfCIMStatusManagedServiceName)
	1 (TRUE)
xfMIBRoot.2.13.1.2.1.10.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusShutterInputCenter</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMShtClosed)
xfMIBRoot.2.13.1.2.1.11.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusPositionInputCenter</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMPSEmpty)
xfMIBRoot.2.13.1.2.1.12.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportInputCenter</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.13.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportItemsInputCenter</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.14.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusShutterInputLeft</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMShtClosed)
xfMIBRoot.2.13.1.2.1.15.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusPositionInputLeft</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMPSEmpty)
xfMIBRoot.2.13.1.2.1.16.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportInputLeft</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.17.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportItemsInputLeft</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.18.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusShutterInRight</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMShtClosed)
xfMIBRoot.2.13.1.2.1.19.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusPositionInputRight</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMPSEmpty)
xfMIBRoot.2.13.1.2.1.20.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportInputRight</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.21.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportItemsInputRight</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)

xfMIBRoot.2.13.1.2.1.22.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusShutterInputTop</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMShTCLosed)
xfMIBRoot.2.13.1.2.1.23.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusPositionInputTop</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMPSEmpty)
xfMIBRoot.2.13.1.2.1.24.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportInputTop</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.25.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportItemsInputTop</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.26.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusShutterInputBottom</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMShTCLosed)
xfMIBRoot.2.13.1.2.1.27.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusPositionInputBottom</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMPSEmpty)
xfMIBRoot.2.13.1.2.1.28.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportInputBottom</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.29.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportItemsInputBottom</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.30.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusShutterInputFront</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMShTCLosed)
xfMIBRoot.2.13.1.2.1.31.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusPositionInputFront</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMPSEmpty)
xfMIBRoot.2.13.1.2.1.32.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportInputFront</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.33.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportItemsInputFront</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.34.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusShutterInputRear</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMShTCLosed)
xfMIBRoot.2.13.1.3.1.35.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusPositionInputRear</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMPSEmpty)
xfMIBRoot.2.13.1.2.1.36.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportInputRear</b> .xfCIMStatusManagedServiceName)
	1 (xfCIMTPOK)
xfMIBRoot.2.13.1.2.1.37.Index	(xfMIBRoot.xfManagedService.xfCIM.xfCIMV1.xfCIMStatusTable.xfCIMStatusEntry. <b>.xfCIMStatusTransportItemsInputRear</b> .xfCIMStatusManagedServiceName)

	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.38.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputCenter.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2. 1.39.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputCenter.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.40.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputCenter.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.41.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOutputCenter.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.42.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputLeft.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2. 1.43.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputLeft.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.44.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputLeft.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.45.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOutputLeft.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.46.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputRight.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2. 1.47.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputRight.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.48.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputRight.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.49.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOutputRight.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.50.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputTop.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShTCLosed)
xfsMIBRoot.2.13.1.2. 1.51.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputTop.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.52.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputTop.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2.	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry

1.53.Index	.xfsCIMStatusTransportItemsOutputTop.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.54.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputBottom.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShtClosed)
xfsMIBRoot.2.13.1.2. 1.55.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputBottom.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.56.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputBottom.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.57.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOuputBottom.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.58.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputFront.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShtClosed)
xfsMIBRoot.2.13.1.2. 1.59.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOutputFront.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.60.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputFront.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.61.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOutputFront.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.62.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusShutterOutputRear.xfsCIMStatusManagedServiceName)
	1 (xfsCIMShtClosed)
xfsMIBRoot.2.13.1.2. 1.63.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusPositionOuputRear.xfsCIMStatusManagedServiceName)
	1 (xfsCIMPSEmpty)
xfsMIBRoot.2.13.1.2. 1.64.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportOutputRear.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.65.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusTransportItemsOutputRear.xfsCIMStatusManagedServiceName)
	1 (xfsCIMTPOK)
xfsMIBRoot.2.13.1.2. 1.100.Index	(xfsMIBRoot.xfsManagedService.xfsCIM.xfsCIMV1.xfsCIMStatusTable.xfsCIMStatusEntry .xfsCIMStatusExtraStatus.xfsCIMStatusManagedServiceName)
	"0" ( No extra data )

## 4 Appendix A - CIM MIB sub-tree

---

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

### 4.1 CIM MIB in ASN-1 format

---

The following object contains the xfsCIM.MIB file in SMIV2 format.



SMIV2\xfsCIM.mib

The following object contains the xfsCIM.MIB file in SMIV1 format.



SMIV1\xfsCIM.mib

*The following text is the content of xfsCIM.MIB in SMIV2 format.*

```
--*****
-- XFS MIB for CIM
-- Management Information Base for XFS CIM Device
--
-- The CIM Number is 13
-- The ASN.1 prefix to, and including the CIM is: 1.3.6.1.4.1.16213.2.13
--
--*****

XFS-CIM-MIB DEFINITIONS ::= BEGIN

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

--
-- Type definitions
--

--*****
-- CIM Status #defines
--*****
IxfsCIMSafeDoorStatus ::= INTEGER
    {xfsCIMDoorNotSupported(2),
     xfsCIMDoorOpen(3),
     xfsCIMDoorClosed(4),
     xfsCIMDoorUnknown(5)}

IxfsCIMAccceptorStatus ::= INTEGER
    {xfsCIMAccOK(1),
     xfsCIMAccState(2),
     xfsCIMAccStop(3),
     xfsCIMAccUnknown(4)}

IxfsCIMIntermediateStackerStatus ::= INTEGER
    {xfsCIMIsEmpty(1),
     xfsCIMIsNotEmpty(2),
     xfsCIMIsFull(3),
     xfsCIMIsUnknown(4),
     xfsCIMIsNotSupported(6)}
```



```

IxfS CIMStackerItemsStatus ::= INTEGER
{ xfsCIMCustomerAccess (1),
  xfsCIMNoCustomerAccess (2),
  xfsCIMAccessUnknown (3),
  xfsCIMNoItems (5) }

IxfS CIMBankNoteReaderStatus ::= INTEGER
{ xfsCIMBNROK (1),
  xfsCIMBNRINOP (2),
  xfsCIMBNRUnknown (3),
  xfsCIMBNRNotSupported (4) }

IxfS CIMShutterStatus ::= INTEGER
{ xfsCIMShtClosed (1),
  xfsCIMShtOpen (2),
  xfsCIMShtJammed (3),
  xfsCIMShtUnknown (4),
  xfsCIMShtNotSupported (5) }

IxfS CIMPositionStatus ::= INTEGER
{ xfsCIMPSEmpty (1),
  xfsCIMPSNotEmpty (2),
  xfsCIMPSUnknown (3),
  xfsCIMPSNotSupported (4) }

IxfS CIMTransportStatus ::= INTEGER
{ xfsCIMTPOK (1),
  xfsCIMTPInop (2),
  xfsCIMTPUnknown (3),
  xfsCIMTPNotSupported (4) }

IxfS CIMTransportItemsStatus ::= INTEGER
{ xfsCIMTPStatEmpty (1),
  xfsCIMTPStatNotEmpty (2),
  xfsCIMTPStatNotEmptyCust (3),
  xfsCIMTPStatNotEmptyUnk (4),
  xfsCIMTPStatNotSupported (5) }

--*****
-- CIM SubDevice #defines
--*****
IxfS CIMCUType ::= INTEGER
{ xfsCIMTypeRecycling (2),
  xfsCIMTypecashIn (3),
  xfsCIMTypeRepContainer (4),
  xfsCIMTypeRetractCassette (5) }

IxfS CIMCUStatus ::= INTEGER
{ xfsCIMStatCUOK (1),
  xfsCIMStatCUFull (2),
  xfsCIMStatCUHigh (3),
  xfsCIMStatCULow (4),
  xfsCIMStatCUEmpty (5),
  xfsCIMStatCUInop (6),
  xfsCIMStatCUMissing (7),
  xfsCIMStatCUNoVal (8),
  xfsCIMStatCUNoref (9),
  xfsCIMStatCUManip (10) }

--
-- Node definitions
--

--*****
-- Version 1 of CIM MIB

```

```

--
-- The ASN.1 prefix to, and including the Version 1 of CIM is:
1.3.6.1.4.1.16213.2.13.1
--
--*****
xfsCIMV1 OBJECT IDENTIFIER ::= { xfsCIM 1}

xfsCIMInstances OBJECT-TYPE
    SYNTAX      Integer32
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION "Number that represents the number of CIM managed services."
    ::= {xfsCIMV1 1}

--*****
-- CIM Device Status Table
--*****

xfsCIMStatusTable OBJECT-TYPE
    SYNTAX SEQUENCE OF XfsCIMStatusEntry
    MAX-ACCESS not-accessible
    STATUS      current
    DESCRIPTION "Define the set of MIB Variables for the CIM status table."
    ::= {xfsCIMV1 2}

xfsCIMStatusEntry OBJECT-TYPE
    SYNTAX      XfsCIMStatusEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION "CIM Device Status Table Entry."
    INDEX {xfsCIMStatusManagedServiceName}
    ::= {xfsCIMStatusTable 1}

XfsCIMStatusEntry ::= SEQUENCE {
    xfsCIMStatusManagedServiceName DisplayString,
    xfsCIMStatusNumberSubDevices Integer32,
    xfsCIMStatusDevice IxfsMIBDeviceStatus,
    xfsCIMStatusSafeDoor IxfsCIMSafeDoorStatus,
    xfsCIMStatusAcceptor IxfsCIMAcceptorStatus,
    xfsCIMStatusIntermediateStacker IxfsCIMIntermediateStackerStatus,
    xfsCIMStatusStackerItems IxfsCIMStackerItemsStatus,
    xfsCIMStatusBankNoteReader IxfsCIMBankNoteReaderStatus,
    xfsCIMStatusDropBox TruthValue,
    xfsCIMStatusShutterInputCenter IxfsCIMShutterStatus,
    xfsCIMStatusPositionInputCenter IxfsCIMPositionStatus,
    xfsCIMStatusTransportInputCenter IxfsCIMTransportStatus,
    xfsCIMStatusTransportItemsInputCenter IxfsCIMTransportItemsStatus,
    xfsCIMStatusShutterInputLeft IxfsCIMShutterStatus,
    xfsCIMStatusPositionInputLeft IxfsCIMPositionStatus,
    xfsCIMStatusTransportInputLeft IxfsCIMTransportStatus,
    xfsCIMStatusTransportItemsInputLeft IxfsCIMTransportItemsStatus,
    xfsCIMStatusShutterInputRight IxfsCIMShutterStatus,
    xfsCIMStatusPositionInputRight IxfsCIMPositionStatus,
    xfsCIMStatusTransportInputRight IxfsCIMTransportStatus,
    xfsCIMStatusTransportItemsInputRight IxfsCIMTransportItemsStatus,
    xfsCIMStatusShutterInputTop IxfsCIMShutterStatus,
    xfsCIMStatusPositionInputTop IxfsCIMPositionStatus,
    xfsCIMStatusTransportInputTop IxfsCIMTransportStatus,
    xfsCIMStatusTransportItemsInputTop IxfsCIMTransportItemsStatus,
    xfsCIMStatusShutterInputBottom IxfsCIMShutterStatus,
    xfsCIMStatusPositionInputBottom IxfsCIMPositionStatus,
    xfsCIMStatusTransportInputBottom IxfsCIMTransportStatus,
    xfsCIMStatusTransportItemsInputBottom IxfsCIMTransportItemsStatus,
    xfsCIMStatusShutterInputFront IxfsCIMShutterStatus,
    xfsCIMStatusPositionInputFront IxfsCIMPositionStatus,
    xfsCIMStatusTransportInputFront IxfsCIMTransportStatus,
    xfsCIMStatusTransportItemsInputFront IxfsCIMTransportItemsStatus,
    xfsCIMStatusShutterInputRear IxfsCIMShutterStatus,

```

```

xfsCIMStatusPositionInputRear  IxfsCIMPositionStatus,
xfsCIMStatusTransportInputRear  IxfsCIMTransportStatus,
xfsCIMStatusTransportItemsInputRear  IxfsCIMTransportItemsStatus,
xfsCIMStatusShutterOutputCenter  IxfsCIMShutterStatus,
xfsCIMStatusPositionOutputCenter  IxfsCIMPositionStatus,
xfsCIMStatusTransportOutputCenter  IxfsCIMTransportStatus,
xfsCIMStatusTransportItemsOutputCenter  IxfsCIMTransportItemsStatus,
xfsCIMStatusShutterOutputLeft  IxfsCIMShutterStatus,
xfsCIMStatusPositionOutputLeft  IxfsCIMPositionStatus,
xfsCIMStatusTransportOutputLeft  IxfsCIMTransportStatus,
xfsCIMStatusTransportItemsOutputLeft  IxfsCIMTransportItemsStatus,
xfsCIMStatusShutterOutputRight  IxfsCIMShutterStatus,
xfsCIMStatusPositionOutputRight  IxfsCIMPositionStatus,
xfsCIMStatusTransportOutputRight  IxfsCIMTransportStatus,
xfsCIMStatusTransportItemsOutputRight  IxfsCIMTransportItemsStatus,
xfsCIMStatusShutterOutputTop  IxfsCIMShutterStatus,
xfsCIMStatusShutterOutputTop  IxfsCIMPositionStatus,
xfsCIMStatusTransportOutputTop  IxfsCIMTransportStatus,
xfsCIMStatusTransportItemsOutputTop  IxfsCIMTransportItemsStatus,
xfsCIMStatusShutterOutputBottom  IxfsCIMShutterStatus,
xfsCIMStatusPositionOutputBottom  IxfsCIMPositionStatus,
xfsCIMStatusTransportOutputBottom  IxfsCIMTransportStatus,
xfsCIMStatusTransportItemsOutputBottom  IxfsCIMTransportItemsStatus,
xfsCIMStatusShutterOutputFront  IxfsCIMShutterStatus,
xfsCIMStatusPositionOutputFront  IxfsCIMPositionStatus,
xfsCIMStatusTransportOutputFront  IxfsCIMTransportStatus,
xfsCIMStatusTransportItemsOutputFront  IxfsCIMTransportItemsStatus,
xfsCIMStatusShutterOutputRear  IxfsCIMShutterStatus,
xfsCIMStatusPositionOutputRear  IxfsCIMPositionStatus,
xfsCIMStatusTransportOutputRear  IxfsCIMTransportStatus,
xfsCIMStatusTransportItemsOutputRear  IxfsCIMTransportItemsStatus,
xfsCIMStatusExtraStatus      OCTET STRING  }

```

```

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

xfsCIMStatusNumberSubDevices  OBJECT-TYPE
    SYNTAX  Integer32
    MAX-ACCESS read-only
    STATUS   current
    DESCRIPTION "Number of sub devices supported by the CIM device."
    ::= { xfsCIMStatusEntry 2}

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

xfsCIMStatusSafeDoor  OBJECT-TYPE
    SYNTAX  IxfsCIMSafeDoorStatus
    MAX-ACCESS read-only
    STATUS   current
    DESCRIPTION "Safedoor Status.
        xfsCIMSafeDoorNotSupported(2),
        xfsCIMSafeDoorOpen(3),
        xfsCIMSafeDoorClosed(4),
        xfsCIMSafeDoorUnknown(5)."
    ::= { xfsCIMStatusEntry 4}

xfsCIMStatusAcceptor  OBJECT-TYPE
    SYNTAX  IxfsCIMAcceptorStatus

```

```

MAX-ACCESS read-only
STATUS current
DESCRIPTION "Acceptor Status.
xfsCIMAcceptor OK(1),
xfsCIMAcceptor CUState(2),
xfsCIMAcceptor CUStop(3),
xfsCIMAcceptor CUUnknown(4)."
 ::= {xfsCIMStatusEntry 5}

xfsCIMStatusIntermediateStacker OBJECT-TYPE
SYNTAX IxfsCIMIntermediateStackerStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Intermediate Stacker Status.
xfsCIMISEmpty(1),
xfsCIMISNotEmpty(2),
xfsCIMISFull(3),
xfsCIMISUnknown(4),
xfsCIMISNotSupported(5)."
 ::= {xfsCIMStatusEntry 6}

xfsCIMStatusStackerItems OBJECT-TYPE
SYNTAX IxfsCIMStackerItemsStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of items on the intermediate stacker.
xfsCIMCustomerAccess(1),
xfsCIMNoCustomerAccess(2),
xfsCIMAccessUnknown(3),
xfsCIMNoItems(5)."
 ::= {xfsCIMStatusEntry 7}

xfsCIMStatusBankNoteReader OBJECT-TYPE
SYNTAX IxfsCIMBankNoteReaderStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the Bank Note Reader.
xfsCIMBNROK(1),
xfsCIMBNRINOP(2),
xfsCIMBNRUnknown(3),
xfsCIMBNRNotSupported(4)."
 ::= {xfsCIMStatusEntry 8}

xfsCIMStatusDropBox OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the Drop Box. "
 ::= {xfsCIMStatusEntry 9}

xfsCIMStatusShutterInputCenter OBJECT-TYPE
SYNTAX IxfsCIMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the shutter of center input position.
xfsCIMShtClosed(1),
xfsCIMShtOpen(2),
xfsCIMShtJammed(3),
xfsCIMShtUnknown(4),
xfsCIMShtNotSupported(5)."
 ::= {xfsCIMStatusEntry 10}

xfsCIMStatusPositionInputCenter OBJECT-TYPE
SYNTAX IxfsCIMPositionStatus
MAX-ACCESS read-only
STATUS current

```

```

DESCRIPTION "Status of the cash tray of the center input position.
  xfsCIMPSEmpty(1),
  xfsCIMPSNotEmpty(2),
  xfsCIMPSUnknown(3),
  xfsCIMPSNotSupported(4)."
 ::= {xfsCIMStatusEntry 11}

xfsCIMStatusTransportInputCenter OBJECT-TYPE
SYNTAX IxfsCIMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the transport of the center input position.
  xfsCIMTPOK(1),
  xfsCIMTPInop(2),
  xfsCIMTPUnknown(3),
  xfsCIMTPNotSupported(4)."
 ::= {xfsCIMStatusEntry 12}

xfsCIMStatusTransportItemsInputCenter OBJECT-TYPE
SYNTAX IxfsCIMTransportItemsStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the items on the transport of the center input position.
  xfsCIMTPStatEmpty(1),
  xfsCIMTPStatNotEmpty(2),
  xfsCIMTPStatNotEmptyCust(3),
  xfsCIMTPStatNotEmptyUnk(4),
  xfsCIMTPStatNotSupported(5)."
 ::= {xfsCIMStatusEntry 13}

xfsCIMStatusShutterInputLeft OBJECT-TYPE
SYNTAX IxfsCIMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the shutter of left input position.
  xfsCIMShtClosed(1),
  xfsCIMShtOpen(2),
  xfsCIMShtJammed(3),
  xfsCIMShtUnknown(4),
  xfsCIMShtNotSupported(5)."
 ::= {xfsCIMStatusEntry 14}

xfsCIMStatusPositionInputLeft OBJECT-TYPE
SYNTAX IxfsCIMPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the cash tray of the Left input position.
  xfsCIMPSEmpty(1),
  xfsCIMPSNotEmpty(2),
  xfsCIMPSUnknown(3),
  xfsCIMPSNotSupported(4)."
 ::= {xfsCIMStatusEntry 15}

xfsCIMStatusTransportInputLeft OBJECT-TYPE
SYNTAX IxfsCIMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the transport of the Left input position.
  xfsCIMTPOK(1),
  xfsCIMTPInop(2),
  xfsCIMTPUnknown(3),
  xfsCIMTPNotSupported(4)."
 ::= {xfsCIMStatusEntry 16}

xfsCIMStatusTransportItemsInputLeft OBJECT-TYPE
SYNTAX IxfsCIMTransportItemsStatus

```

```

MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the items on the transport of the Left input position.
             xfsCIMTPStatEmpty(1),
             xfsCIMTPStatNotEmpty(2),
             xfsCIMTPStatNotEmptyCust(3),
             xfsCIMTPStatNotEmptyUnk(4),
             xfsCIMTPStatNotSupported(5)."
 ::= {xfsCIMStatusEntry 17}

xfsCIMStatusShutterInputRight OBJECT-TYPE
SYNTAX IxfsCIMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the shutter of Right input position.
             xfsCIMShtClosed(1),
             xfsCIMShtOpen(2),
             xfsCIMShtJammed(3),
             xfsCIMShtUnknown(4),
             xfsCIMShtNotSupported(5)."
 ::= {xfsCIMStatusEntry 18}

xfsCIMStatusPositionInputRight OBJECT-TYPE
SYNTAX IxfsCIMPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the cash tray of the Right input position.
             xfsCIMPSEmpty(1),
             xfsCIMPSNotEmpty(2),
             xfsCIMPSUnknown(3),
             xfsCIMPSNotSupported(4)."
 ::= {xfsCIMStatusEntry 19}

xfsCIMStatusTransportInputRight OBJECT-TYPE
SYNTAX IxfsCIMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the transport of the Right input position.
             xfsCIMTPOK(1),
             xfsCIMTPInop(2),
             xfsCIMTPUnknown(3),
             xfsCIMTPNotSupported(4)."
 ::= {xfsCIMStatusEntry 20}

xfsCIMStatusTransportItemsInputRight OBJECT-TYPE
SYNTAX IxfsCIMTransportItemsStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the items on the transport of the Right input position.
             xfsCIMTPStatEmpty(1),
             xfsCIMTPStatNotEmpty(2),
             xfsCIMTPStatNotEmptyCust(3),
             xfsCIMTPStatNotEmptyUnk(4),
             xfsCIMTPStatNotSupported(5)."
 ::= {xfsCIMStatusEntry 21}

xfsCIMStatusShutterInputTop OBJECT-TYPE
SYNTAX IxfsCIMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the shutter of top input position.
             xfsCIMShtClosed(1),
             xfsCIMShtOpen(2),
             xfsCIMShtJammed(3),
             xfsCIMShtUnknown(4),
             xfsCIMShtNotSupported(5)."
 ::= {xfsCIMStatusEntry 22}

```

```

xfsCIMStatusPositionInputTop OBJECT-TYPE
  SYNTAX IxfsCIMPositionStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the cash tray of the top input position.
    xfsCIMPSEmpty(1),
    xfsCIMPSNotEmpty(2),
    xfsCIMPSUnknown(3),
    xfsCIMPSNotSupported(4)."
```

```

 ::= {xfsCIMStatusEntry 23}

xfsCIMStatusTransportInputTop OBJECT-TYPE
  SYNTAX IxfsCIMTransportStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the transport of the top input position.
    xfsCIMTPOK(1),
    xfsCIMTPInop(2),
    xfsCIMTPUnknown(3),
    xfsCIMTPNotSupported(4)."
```

```

 ::= {xfsCIMStatusEntry 24}

xfsCIMStatusTransportItemsInputTop OBJECT-TYPE
  SYNTAX IxfsCIMTransportItemsStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the items on the transport of the top input position.
    xfsCIMTPStatEmpty(1),
    xfsCIMTPStatNotEmpty(2),
    xfsCIMTPStatNotEmptyCust(3),
    xfsCIMTPStatNotEmptyUnk(4),
    xfsCIMTPStatNotSupported(5)."
```

```

 ::= {xfsCIMStatusEntry 25}

xfsCIMStatusShutterInputBottom OBJECT-TYPE
  SYNTAX IxfsCIMShutterStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the shutter of Bottom input position.
    xfsCIMShtClosed(1),
    xfsCIMShtOpen(2),
    xfsCIMShtJammed(3),
    xfsCIMShtUnknown(4),
    xfsCIMShtNotSupported(5)."
```

```

 ::= {xfsCIMStatusEntry 26}

xfsCIMStatusPositionInputBottom OBJECT-TYPE
  SYNTAX IxfsCIMPositionStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the cash tray of the Bottom input position.
    xfsCIMPSEmpty(1),
    xfsCIMPSNotEmpty(2),
    xfsCIMPSUnknown(3),
    xfsCIMPSNotSupported(4)."
```

```

 ::= {xfsCIMStatusEntry 27}

xfsCIMStatusTransportInputBottom OBJECT-TYPE
  SYNTAX IxfsCIMTransportStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the transport of the Bottom input position.
    xfsCIMTPOK(1),
    xfsCIMTPInop(2),
    xfsCIMTPUnknown(3),
```

```

    xfsCIMTPNotSupported(4)."
    ::= {xfsCIMStatusEntry 28}

xfsCIMStatusTransportItemsInputBottom OBJECT-TYPE
    SYNTAX IxfsCIMTransportItemsStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the items on the transport of the Bottom input position.
        xfsCIMTPStatEmpty(1),
        xfsCIMTPStatNotEmpty(2),
        xfsCIMTPStatNotEmptyCust(3),
        xfsCIMTPStatNotEmptyUnk(4),
        xfsCIMTPStatNotSupported(5)."
    ::= {xfsCIMStatusEntry 29}

xfsCIMStatusShutterInputFront OBJECT-TYPE
    SYNTAX IxfsCIMShutterStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the shutter of Front input position.
        xfsCIMShtClosed(1),
        xfsCIMShtOpen(2),
        xfsCIMShtJammed(3),
        xfsCIMShtUnknown(4),
        xfsCIMShtNotSupported(5)."
    ::= {xfsCIMStatusEntry 30}

xfsCIMStatusPositionInputFront OBJECT-TYPE
    SYNTAX IxfsCIMPositionStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the cash tray of the Front input position.
        xfsCIMPSEmpty(1),
        xfsCIMPSNotEmpty(2),
        xfsCIMPSUnknown(3),
        xfsCIMPSNotSupported(4)."
    ::= {xfsCIMStatusEntry 31}

xfsCIMStatusTransportInputFront OBJECT-TYPE
    SYNTAX IxfsCIMTransportStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the transport of the Front input position.
        xfsCIMTPOK(1),
        xfsCIMTPInop(2),
        xfsCIMTPUnknown(3),
        xfsCIMTPNotSupported(4)."
    ::= {xfsCIMStatusEntry 32}

xfsCIMStatusTransportItemsInputFront OBJECT-TYPE
    SYNTAX IxfsCIMTransportItemsStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the items on the transport of the front input position.
        xfsCIMTPStatEmpty(1),
        xfsCIMTPStatNotEmpty(2),
        xfsCIMTPStatNotEmptyCust(3),
        xfsCIMTPStatNotEmptyUnk(4),
        xfsCIMTPStatNotSupported(5)."
    ::= {xfsCIMStatusEntry 33}

xfsCIMStatusShutterInputRear OBJECT-TYPE
    SYNTAX IxfsCIMShutterStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the shutter of Rear input position.
        xfsCIMShtClosed(1),

```



```

    xfsCIMShOpen(2),
    xfsCIMShJammed(3),
    xfsCIMShUnknown(4),
    xfsCIMShNotSupported(5)."
 ::= {xfsCIMStatusEntry 34}

xfsCIMStatusPositionInputRear OBJECT-TYPE
SYNTAX IxfsCIMPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the cash tray of the Rear input position.
    xfsCIMPSEmpty(1),
    xfsCIMPSNotEmpty(2),
    xfsCIMPSUnknown(3),
    xfsCIMPSNotSupported(4)."
 ::= {xfsCIMStatusEntry 35}

xfsCIMStatusTransportInputRear OBJECT-TYPE
SYNTAX IxfsCIMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the transport of the Rear input position.
    xfsCIMTPOK(1),
    xfsCIMTPInop(2),
    xfsCIMTPUnknown(3),
    xfsCIMTPNotSupported(4)."
 ::= {xfsCIMStatusEntry 36}

xfsCIMStatusTransportItemsInputRear OBJECT-TYPE
SYNTAX IxfsCIMTransportItemsStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the items on the transport of the rear input position.
    xfsCIMTPStatEmpty(1),
    xfsCIMTPStatNotEmpty(2),
    xfsCIMTPStatNotEmptyCust(3),
    xfsCIMTPStatNotEmptyUnk(4),
    xfsCIMTPStatNotSupported(5)."
 ::= {xfsCIMStatusEntry 37}

xfsCIMStatusShutterOutputCenter OBJECT-TYPE
SYNTAX IxfsCIMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the shutter of center Output position.
    xfsCIMShClosed(1),
    xfsCIMShOpen(2),
    xfsCIMShJammed(3),
    xfsCIMShUnknown(4),
    xfsCIMShNotSupported(5)."
 ::= {xfsCIMStatusEntry 38}

xfsCIMStatusPositionOutputCenter OBJECT-TYPE
SYNTAX IxfsCIMPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the cash tray of the center Output position.
    xfsCIMPSEmpty(1),
    xfsCIMPSNotEmpty(2),
    xfsCIMPSUnknown(3),
    xfsCIMPSNotSupported(4)."
 ::= {xfsCIMStatusEntry 39}

xfsCIMStatusTransportOutputCenter OBJECT-TYPE
SYNTAX IxfsCIMTransportStatus

```

```

MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the transport of the center Output position.
  xfsCIMTPOK(1),
  xfsCIMTPInop(2),
  xfsCIMTPUnknown(3),
  xfsCIMTPNotSupported(4)."
 ::= {xfsCIMStatusEntry 40}

xfsCIMStatusTransportItemsOutputCenter OBJECT-TYPE
SYNTAX IxfsCIMTransportItemsStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the items on the transport of the center Output position.
  xfsCIMTPStatEmpty(1),
  xfsCIMTPStatNotEmpty(2),
  xfsCIMTPStatNotEmptyCust(3),
  xfsCIMTPStatNotEmptyUnk(4),
  xfsCIMTPStatNotSupported(5)."
 ::= {xfsCIMStatusEntry 41}

xfsCIMStatusShutterOutputLeft OBJECT-TYPE
SYNTAX IxfsCIMShutterStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the shutter of left Output position.
  xfsCIMShtClosed(1),
  xfsCIMShtOpen(2),
  xfsCIMShtJammed(3),
  xfsCIMShtUnknown(4),
  xfsCIMShtNotSupported(5)."
 ::= {xfsCIMStatusEntry 42}

xfsCIMStatusPositionOutputLeft OBJECT-TYPE
SYNTAX IxfsCIMPositionStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the cash tray of the Left Output position.
  xfsCIMPSEmpty(1),
  xfsCIMPSNotEmpty(2),
  xfsCIMPSUnknown(3),
  xfsCIMPSNotSupported(4)."
 ::= {xfsCIMStatusEntry 43}

xfsCIMStatusTransportOutputLeft OBJECT-TYPE
SYNTAX IxfsCIMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the transport of the Left Output position.
  xfsCIMTPOK(1),
  xfsCIMTPInop(2),
  xfsCIMTPUnknown(3),
  xfsCIMTPNotSupported(4)."
 ::= {xfsCIMStatusEntry 44}

xfsCIMStatusTransportItemsOutputLeft OBJECT-TYPE
SYNTAX IxfsCIMTransportItemsStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the items on the transport of the Left Output position.
  xfsCIMTPStatEmpty(1),
  xfsCIMTPStatNotEmpty(2),
  xfsCIMTPStatNotEmptyCust(3),
  xfsCIMTPStatNotEmptyUnk(4),
  xfsCIMTPStatNotSupported(5)."
 ::= {xfsCIMStatusEntry 45}

```

```

xfsCIMStatusShutterOutputRight OBJECT-TYPE
    SYNTAX IxfsCIMShutterStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the shutter of Right Output position.
        xfsCIMShtClosed(1),
        xfsCIMShtOpen(2),
        xfsCIMShtJammed(3),
        xfsCIMShtUnknown(4),
        xfsCIMShtNotSupported(5)."
```

```

 ::= {xfsCIMStatusEntry 46}

xfsCIMStatusPositionOutputRight OBJECT-TYPE
    SYNTAX IxfsCIMPositionStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the cash tray of the Right Output position.
        xfsCIMPSEmpty(1),
        xfsCIMPSNotEmpty(2),
        xfsCIMPSUnknown(3),
        xfsCIMPSNotSupported(4)."
```

```

 ::= {xfsCIMStatusEntry 47}

xfsCIMStatusTransportOutputRight OBJECT-TYPE
    SYNTAX IxfsCIMTransportStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the transport of the Right Output position.
        xfsCIMTPOK(1),
        xfsCIMTPInop(2),
        xfsCIMTPUnknown(3),
        xfsCIMTPNotSupported(4)."
```

```

 ::= {xfsCIMStatusEntry 48}

xfsCIMStatusTransportItemsOutputRight OBJECT-TYPE
    SYNTAX IxfsCIMTransportItemsStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the items on the transport of the Right Output position.
        xfsCIMTPStatEmpty(1),
        xfsCIMTPStatNotEmpty(2),
        xfsCIMTPStatNotEmptyCust(3),
        xfsCIMTPStatNotEmptyUnk(4),
        xfsCIMTPStatNotSupported(5)."
```

```

 ::= {xfsCIMStatusEntry 49}

xfsCIMStatusShutterOutputTop OBJECT-TYPE
    SYNTAX IxfsCIMShutterStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the shutter of top Output position.
        xfsCIMShtClosed(1),
        xfsCIMShtOpen(2),
        xfsCIMShtJammed(3),
        xfsCIMShtUnknown(4),
        xfsCIMShtNotSupported(5)."
```

```

 ::= {xfsCIMStatusEntry 50}

xfsCIMStatusPositionOutputTop OBJECT-TYPE
    SYNTAX IxfsCIMPositionStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the cash tray of the top Output position.
        xfsCIMPSEmpty(1),
        xfsCIMPSNotEmpty(2),
        xfsCIMPSUnknown(3),
        xfsCIMPSNotSupported(4)."
```

```

 ::= {xfsCIMStatusEntry 51}

xfsCIMStatusTransportOutputTop OBJECT-TYPE
  SYNTAX IxfsCIMTransportStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the transport of the top Output position.
    xfsCIMTPOK(1),
    xfsCIMTPInop(2),
    xfsCIMTPUnknown(3),
    xfsCIMTPNotSupported(4)."
  ::= {xfsCIMStatusEntry 52}

xfsCIMStatusTransportItemsOutputTop OBJECT-TYPE
  SYNTAX IxfsCIMTransportItemsStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the items on the transport of the top Output position.
    xfsCIMTPStatEmpty(1),
    xfsCIMTPStatNotEmpty(2),
    xfsCIMTPStatNotEmptyCust(3),
    xfsCIMTPStatNotEmptyUnk(4),
    xfsCIMTPStatNotSupported(5)."
  ::= {xfsCIMStatusEntry 53}

xfsCIMStatusShutterOutputBottom OBJECT-TYPE
  SYNTAX IxfsCIMShutterStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the shutter of Bottom Output position.
    xfsCIMShtClosed(1),
    xfsCIMShtOpen(2),
    xfsCIMShtJammed(3),
    xfsCIMShtUnknown(4),
    xfsCIMShtNotSupported(5)."
  ::= {xfsCIMStatusEntry 54}

xfsCIMStatusPositionOutputBottom OBJECT-TYPE
  SYNTAX IxfsCIMPositionStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the cash tray of the Bottom Output position.
    xfsCIMPSEmpty(1),
    xfsCIMPSNotEmpty(2),
    xfsCIMPSUnknown(3),
    xfsCIMPSNotSupported(4)."
  ::= {xfsCIMStatusEntry 55}

xfsCIMStatusTransportOutputBottom OBJECT-TYPE
  SYNTAX IxfsCIMTransportStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the transport of the Bottom Output position.
    xfsCIMTPOK(1),
    xfsCIMTPInop(2),
    xfsCIMTPUnknown(3),
    xfsCIMTPNotSupported(4)."
  ::= {xfsCIMStatusEntry 56}

xfsCIMStatusTransportItemsOutputBottom OBJECT-TYPE
  SYNTAX IxfsCIMTransportItemsStatus
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Status of the items on the transport of the Bottom Output position.
    xfsCIMTPStatEmpty(1),
    xfsCIMTPStatNotEmpty(2),

```

```

        xfsCIMTPStatNotEmptyCust(3),
        xfsCIMTPStatNotEmptyUnk(4),
        xfsCIMTPStatNotSupported(5)."
    ::= {xfsCIMStatusEntry 57}

xfsCIMStatusShutterOutputFront OBJECT-TYPE
    SYNTAX IxfsCIMShutterStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the shutter of Front Output position.
        xfsCIMShtClosed(1),
        xfsCIMShtOpen(2),
        xfsCIMShtJammed(3),
        xfsCIMShtUnknown(4),
        xfsCIMShtNotSupported(5)."
    ::= {xfsCIMStatusEntry 58}

xfsCIMStatusPositionOutputFront OBJECT-TYPE
    SYNTAX IxfsCIMPositionStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the cash tray of the Front Output position.
        xfsCIMPSEmpty(1),
        xfsCIMPSNotEmpty(2),
        xfsCIMPSUnknown(3),
        xfsCIMPSNotSupported(4)."
    ::= {xfsCIMStatusEntry 59}

xfsCIMStatusTransportOutputFront OBJECT-TYPE
    SYNTAX IxfsCIMTransportStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the transport of the Front Output position.
        xfsCIMTPOK(1),
        xfsCIMTPInop(2),
        xfsCIMTPUnknown(3),
        xfsCIMTPNotSupported(4)."
    ::= {xfsCIMStatusEntry 60}

xfsCIMStatusTransportItemsOutputFront OBJECT-TYPE
    SYNTAX IxfsCIMTransportItemsStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the items on the transport of the front Output position.
        xfsCIMTPStatEmpty(1),
        xfsCIMTPStatNotEmpty(2),
        xfsCIMTPStatNotEmptyCust(3),
        xfsCIMTPStatNotEmptyUnk(4),
        xfsCIMTPStatNotSupported(5)."
    ::= {xfsCIMStatusEntry 61}

xfsCIMStatusShutterOutputRear OBJECT-TYPE
    SYNTAX IxfsCIMShutterStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Status of the shutter of Rear Output position.
        xfsCIMShtClosed(1),
        xfsCIMShtOpen(2),
        xfsCIMShtJammed(3),
        xfsCIMShtUnknown(4),
        xfsCIMShtNotSupported(5)."
    ::= {xfsCIMStatusEntry 62}

xfsCIMStatusPositionOutputRear OBJECT-TYPE
    SYNTAX IxfsCIMPositionStatus
    MAX-ACCESS read-only
    STATUS current

```

```

DESCRIPTION "Status of the cash tray of the Rear Output position.
  xfsCIMPSEmpty(1),
  xfsCIMPSNotEmpty(2),
  xfsCIMPSUnknown(3),
  xfsCIMPSNotSupported(4)."
 ::= {xfsCIMStatusEntry 63}

xfsCIMStatusTransportOutputRear OBJECT-TYPE
SYNTAX IxfsCIMTransportStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the transport of the Rear Output position.
  xfsCIMTPOK(1),
  xfsCIMTPInop(2),
  xfsCIMTPUnknown(3),
  xfsCIMTPNotSupported(4)."
 ::= {xfsCIMStatusEntry 64}

xfsCIMStatusTransportItemsOutputRear OBJECT-TYPE
SYNTAX IxfsCIMTransportItemsStatus
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Status of the items on the transport of the rear Output position.
  xfsCIMTPStatEmpty(1),
  xfsCIMTPStatNotEmpty(2),
  xfsCIMTPStatNotEmptyCust(3),
  xfsCIMTPStatNotEmptyUnk(4),
  xfsCIMTPStatNotSupported(5)."
 ::= {xfsCIMStatusEntry 65}

xfsCIMStatusExtraStatus OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Vendor dependent additional device status information."
 ::= {xfsCIMStatusEntry 100}

--*****
-- CIM Sub Device Status Table
--
-- The ASN.1 prefix for Version 1 of CIM is: 1.3.6.1.4.1.16213.2.13.1.3
--*****

xfsCIMSubDeviceTable OBJECT-TYPE
SYNTAX SEQUENCE OF XfsCIMSubDeviceEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "Define the set of MIB Variables for the CIM status table."
 ::= {xfsCIMV1 3}

xfsCIMSubDeviceEntry OBJECT-TYPE
SYNTAX XfsCIMSubDeviceEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "CIM Sub-Device Status Table Entry."
INDEX {xfsCIMSubDeviceManagedServiceName,
       xfsCIMSubDeviceIndex}
 ::= {xfsCIMSubDeviceTable 1}

XfsCIMSubDeviceEntry ::= SEQUENCE {
  xfsCIMSubDeviceManagedServiceName DisplayString,
  xfsCIMSubDeviceIndex INTEGER,
  xfsCIMSubDeviceCUType IxfsCIMCUType,
  xfsCIMSubDeviceCUIItemtype Integer32,
  xfsCIMSubDeviceCULUnitID OCTET STRING,
  xfsCIMSubDeviceCUCurrencyID OCTET STRING,

```

```

xfsCIMSubDeviceCUValues      Integer32,
xfsCIMSubDeviceCUCashInCount Integer32,
xfsCIMSubDeviceCULCount      Integer32,
xfsCIMSubDeviceCULMaximum    Integer32,
xfsCIMSubDeviceCULogicalStatus IxfsCIMCUStatus,
xfsCIMSubDeviceCUAppLock      TruthValue,
xfsCIMSubDeviceCUPhysicalPositionName DisplayString,
xfsCIMSubDeviceCUPUnitID      OCTET STRING,
xfsCIMSubDeviceCUPCashInCount Integer32,
xfsCIMSubDeviceCUPCount       Integer32,
xfsCIMSubDeviceCUPMaximum     Integer32,
xfsCIMSubDeviceCUPhysicalStatus IxfsCIMCUStatus,
xfsCIMSubDeviceCUPHardwareSensors TruthValue,
xfsCIMSubDeviceCUExponent     Integer32,
xfsCIMSubDeviceExtraStatus    OCTET STRING }

```

```

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

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

xfsCIMSubDeviceCUType OBJECT-TYPE
    SYNTAX      IxfsCIMCUType
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION "Type of cash unit.
        xfsCIMTypeRecycling (2),
        xfsCIMTypecashIn(3),
        xfsCIMTypeRepContainer (4),
        xfsCIMTypeRetractCassette(5)"
    ::= {xfsCIMSubDeviceEntry 3}

xfsCIMSubDeviceCUItemType OBJECT-TYPE
    SYNTAX      Integer32
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION "Type of items the cash unit takes.
    These can be a combination of bits as follows:
    Bit 0 set = All(1),
    Bit 1 set = Unfit(2),
    Bit 2 set = Individual(4),
    Bit 3 set = Level3 notes(8),
    Bit 4 set = Level 2 notes(10)."
```

::= {xfsCIMSubDeviceEntry 4}

```

xfsCIMSubDeviceCULUnitID OBJECT-TYPE
    SYNTAX      OCTET STRING
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION " The Cash Unit Identifier."
    ::= {xfsCIMSubDeviceEntry 5}

xfsCIMSubDeviceCUCurrencyID OBJECT-TYPE

```

```

SYNTAX    OCTET STRING
MAX-ACCESS read-only
STATUS    current
DESCRIPTION " The ISO format Currency ID."
 ::= {xfsCIMSubDeviceEntry 6}

xfsCIMSubDeviceCUValues OBJECT-TYPE
SYNTAX    Integer32
MAX-ACCESS read-only
STATUS    current
DESCRIPTION " The value of a single item in the cash unit."
 ::= {xfsCIMSubDeviceEntry 7}

xfsCIMSubDeviceCUCashInCount OBJECT-TYPE
SYNTAX    Integer32
MAX-ACCESS read-only
STATUS    current
DESCRIPTION "Count of items which have entered the cash unit."
 ::= {xfsCIMSubDeviceEntry 8}

xfsCIMSubDeviceCULCount OBJECT-TYPE
SYNTAX    Integer32
MAX-ACCESS read-only
STATUS    current
DESCRIPTION "Total number of notes of all types in the cash unit."
 ::= {xfsCIMSubDeviceEntry 9}

xfsCIMSubDeviceCULMaximum OBJECT-TYPE
SYNTAX    Integer32
MAX-ACCESS read-only
STATUS    current
DESCRIPTION " Maximum number of notes the Cash Unit can contain before
generating an XFS threshold event."
 ::= {xfsCIMSubDeviceEntry 10}

xfsCIMSubDeviceCULogicalStatus OBJECT-TYPE
SYNTAX    IxfsCIMCUStatus
MAX-ACCESS read-only
STATUS    current
DESCRIPTION "Status of the cash unit.
    xfsCIMStatCUOK(1),
    xfsCIMStatCUFull(2),
    xfsCIMStatCUHigh(3),
    xfsCIMStatCULow(4),
    xfsCIMStatCUEmpty(5),
    xfsCIMStatCUInop65),
    xfsCIMStatCUMissing(7),
    xfsCIMStatCUNoVal(8),
    xfsCIMStatCUNoref(9),
    xfsCIMStatCUManip(10)."
 ::= {xfsCIMSubDeviceEntry 11}

xfsCIMSubDeviceCUAppLock OBJECT-TYPE
SYNTAX    TruthValue
MAX-ACCESS read-only
STATUS    current
DESCRIPTION "Specifies if the application has locked the Cash Unit."
 ::= {xfsCIMSubDeviceEntry 12}

xfsCIMSubDeviceCUPhysicalPositionName OBJECT-TYPE
SYNTAX    DisplayString
MAX-ACCESS read-only
STATUS    current
DESCRIPTION " A name identifying the physical location of the cash unit within
the CIM."
 ::= {xfsCIMSubDeviceEntry 13}

```



```

xfsCIMSubDeviceCUPUnitID OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " A string uniquely identifying the physical cash unit."
    ::= {xfsCIMSubDeviceEntry 14}

xfsCIMSubDeviceCUPCashInCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " Count of items that have entered the cash in unit."
    ::= {xfsCIMSubDeviceEntry 15}

xfsCIMSubDeviceCUPCount OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " Actual count of items in the physical cash unit."
    ::= {xfsCIMSubDeviceEntry 16}

xfsCIMSubDeviceCUPMaximum OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " Maximum count of items in the physical cash unit."
    ::= {xfsCIMSubDeviceEntry 17}

xfsCIMSubDeviceCUPPhysicalStatus OBJECT-TYPE
    SYNTAX IxfsCIMCUStatus
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " Supplies the status of the physical cash unit."
    ::= {xfsCIMSubDeviceEntry 18}

xfsCIMSubDeviceCUPHardwareSensors OBJECT-TYPE
    SYNTAX TruthValue
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION " Specifies whether or not threshold events can be generated based
on hardware sensors in the device."
    ::= {xfsCIMSubDeviceEntry 19}

xfsCIMSubDeviceCUExponent OBJECT-TYPE
    SYNTAX Integer32
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The XFS currency exponent."
    ::= {xfsCIMSubDeviceEntry 20}

xfsCIMSubDeviceExtraStatus OBJECT-TYPE
    SYNTAX OCTET STRING
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "Vendor dependent additional device status information."
    ::= { xfsCIMSubDeviceEntry 100}

--*****
-- CIM Error Table
--*****

xfsCIMErrorTable OBJECT-TYPE
    SYNTAX SEQUENCE OF XfsCIMErrorEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Define the set of MIB Variables for the CIM Error Table."
    ::= {xfsCIMV1 4}

```

```

xfsCIMErrorEntry OBJECT-TYPE
    SYNTAX XfsCIMErrorEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "CIM Error Table Entry."
    INDEX { xfsCIMErrorManagedServiceName,
            xfsCIMErrorCommandCode,
            xfsCIMErrorResponseCode}
    ::= {xfsCIMErrorTable 1}

XfsCIMErrorEntry ::= SEQUENCE {
    xfsCIMErrorManagedServiceName DisplayString,
    xfsCIMErrorCommandCode INTEGER,
    xfsCIMErrorResponseCode INTEGER,
    xfsCIMErrorCount Integer32 }

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

xfsCIMErrorCommandCode OBJECT-TYPE
    SYNTAX INTEGER (1301..1400)
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION "The executable command code supported by the service
        provider associated with the error count of interest."
    ::= {xfsCIMErrorEntry 2}

xfsCIMErrorResponseCode OBJECT-TYPE
    SYNTAX INTEGER (0..99 | 1300..1399)
    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."
    ::= {xfsCIMErrorEntry 3}

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

--*****
-- CIM Reset Table
--*****

xfsCIMResetTable OBJECT-TYPE
    SYNTAX SEQUENCE OF XfsCIMResetEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "Defines the set of MIB Variables for the CIM Reset Table."
    ::= {xfsCIMV1 5}

xfsCIMResetEntry OBJECT-TYPE
    SYNTAX XfsCIMResetEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION "CIM Reset Table Entry."
    INDEX {xfsCIMResetManagedServiceName}

```

```

 ::= {xfsCIMResetTable 1}

XfsCIMResetEntry ::= SEQUENCE {
    xfsCIMResetManagedServiceName  DisplayString,
    xfsCIMResetAll                    Integer32,
    xfsCIMResetTimestamp              DisplayString}

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

xfsCIMResetAll 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."
    ::= {xfsCIMResetEntry 2}

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

-- *****
-- CIM Reset Device Table
-- *****
xfsCIMResetDeviceTable OBJECT-TYPE
    SYNTAX SEQUENCE OF XfsCIMResetDeviceEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "Define the set of MIB Variables for the CIM Reset Device Table."
    ::= { xfsCIMV1 6 }

xfsCIMResetDeviceEntry OBJECT-TYPE
    SYNTAX XfsCIMResetDeviceEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "CIM Reset Device Table Entry."
    INDEX { xfsCIMResetDeviceManagedServiceName }
    ::= { xfsCIMResetDeviceTable 1 }

XfsCIMResetDeviceEntry ::=
    SEQUENCE {
        xfsCIMResetDeviceManagedServiceName
            DisplayString,
        xfsCIMResetDeviceAction
            INTEGER,
        xfsCIMResetDeviceMediaControl
            INTEGER,
        xfsCIMResetDeviceStatus
            INTEGER
    }

xfsCIMResetDeviceManagedServiceName OBJECT-TYPE
    SYNTAX DisplayString
    MAX-ACCESS read-only
    STATUS current

```

```

DESCRIPTION
    "Instance identifier of the managed service."
    ::= { xfsCIMResetDeviceEntry 1 }

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

xfsCIMResetDeviceMediaControl 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"
    ::= { xfsCIMResetDeviceEntry 3 }

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

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

-- *****
-- Trap definitions
-- *****
xfsCIMDetailedDSCTrap NOTIFICATION-TYPE OBJECTS
    {
        xfsCommonTrapSysName,
        xfsCommonTrapManagedServiceName,
        xfsCommonTrapManagedServiceClass,
        xfsCommonTrapManagedServiceClassName,
        xfsCommonTrapManagedServiceType, xfsCommonTrapManagedServiceOid,
        xfsCommonTrapPhysicalDeviceName, xfsCommonTrapDeviceVendor,
        xfsCommonTrapMIBVersion, xfsCommonTrapEvent,
        xfsCommonTrapDate, xfsCommonTrapSPVersion,
        xfsCIMStatusDevice, xfsCIMStatusNumberSubDevices,
        xfsCIMStatusSafeDoor, xfsCIMStatusAcceptor,
        xfsCIMStatusIntermediateStacker, xfsCIMStatusStackerItems,
        xfsCIMStatusBankNoteReader, xfsCIMStatusDropBox,
        xfsCIMStatusShutterInputCenter, xfsCIMStatusPositionInputCenter,
        xfsCIMStatusTransportInputCenter, xfsCIMStatusTransportItemsInputCenter,
        xfsCIMStatusShutterInputLeft, xfsCIMStatusPositionInputLeft,
        xfsCIMStatusTransportInputLeft, xfsCIMStatusTransportItemsInputLeft,
        xfsCIMStatusShutterInputRight, xfsCIMStatusPositionInputRight,
    }

```

```

xfsCIMStatusTransportInputRight, xfsCIMStatusTransportItemsInputRight,
xfsCIMStatusShutterInputTop, xfsCIMStatusPositionInputTop,
xfsCIMStatusTransportInputTop, xfsCIMStatusTransportItemsInputTop,
xfsCIMStatusShutterInputBottom, xfsCIMStatusPositionInputBottom,
xfsCIMStatusTransportInputBottom, xfsCIMStatusTransportItemsInputBottom,
xfsCIMStatusShutterInputFront, xfsCIMStatusPositionInputFront,
xfsCIMStatusTransportInputFront, xfsCIMStatusTransportItemsInputFront,
xfsCIMStatusShutterInputRear, xfsCIMStatusPositionInputRear,
xfsCIMStatusTransportInputRear, xfsCIMStatusTransportItemsInputRear,
xfsCIMStatusShutterOutputCenter, xfsCIMStatusPositionOutputCenter,
xfsCIMStatusTransportOutputCenter,
xfsCIMStatusTransportItemsOutputCenter,
xfsCIMStatusShutterOutputLeft, xfsCIMStatusPositionOutputLeft,
xfsCIMStatusTransportOutputLeft, xfsCIMStatusTransportItemsOutputLeft,
xfsCIMStatusShutterOutputRight, xfsCIMStatusPositionOutputRight,
xfsCIMStatusTransportOutputRight, xfsCIMStatusTransportItemsOutputRight,
xfsCIMStatusShutterOutputTop, xfsCIMStatusPositionOutputTop,
xfsCIMStatusTransportOutputTop, xfsCIMStatusTransportItemsOutputTop,
xfsCIMStatusShutterOutputBottom, xfsCIMStatusPositionOutputBottom,
xfsCIMStatusTransportOutputBottom,
xfsCIMStatusTransportItemsOutputBottom,
xfsCIMStatusShutterOutputFront, xfsCIMStatusPositionOutputFront,
xfsCIMStatusTransportOutputFront, xfsCIMStatusTransportItemsOutputFront,
xfsCIMStatusShutterOutputRear, xfsCIMStatusPositionOutputRear,
xfsCIMStatusTransportOutputRear, xfsCIMStatusTransportItemsOutputRear,
xfsCIMStatusExtraStatus }
STATUS current
DESCRIPTION
    "This trap indicates a change in the status of a managed
    service."
 ::= { xfsTrapV2 113 }

```

xfsCIMSubDeviceTrap NOTIFICATION-TYPE OBJECTS

```

{ xfsCommonTrapManagedServiceName,
xfsCommonTrapManagedServiceClass,
xfsCommonTrapManagedServiceClassName,
xfsCommonTrapManagedServiceType,
xfsCommonTrapManagedServiceOid, xfsCommonTrapPhysicalDeviceName,
xfsCommonTrapDeviceVendor, xfsCommonTrapMIBVersion,
xfsCommonTrapEvent, xfsCommonTrapDate,
xfsCommonTrapSPVersion, xfsCIMSubDeviceTrapIndex,
xfsCIMSubDeviceCUType, xfsCIMSubDeviceCUItemType,
xfsCIMSubDeviceCULUnitID, xfsCIMSubDeviceCUCurrencyID,
xfsCIMSubDeviceCUValues, xfsCIMSubDeviceCUCashInCount,
xfsCIMSubDeviceCULCount, xfsCIMSubDeviceCULMaximum,
xfsCIMSubDeviceCULogicalStatus, xfsCIMSubDeviceCUAppLock,
xfsCIMSubDeviceCUPhysicalPositionName, xfsCIMSubDeviceCUPUnitID,
xfsCIMSubDeviceCUPCashInCount, xfsCIMSubDeviceCUPCount,
xfsCIMSubDeviceCUPMaximum, xfsCIMSubDeviceCUPhysicalStatus,
xfsCIMSubDeviceCUPHardwareSensors, xfsCIMSubDeviceCUExponent,
xfsCIMSubDeviceExtraStatus
}
STATUS current
DESCRIPTION
    "This trap indicates a change in the status of sub-device within
    a managed service."
 ::= { xfsTrapV2 213 }

```

xfsCIMResetDeviceCompleteTrap NOTIFICATION-TYPE OBJECTS

```

{ xfsCommonTrapResetDeviceResult, xfsCommonTrapManagedServiceName,
xfsCommonTrapManagedServiceClass,
xfsCommonTrapManagedServiceClassName,
xfsCommonTrapManagedServiceType, xfsCommonTrapManagedServiceOid,
xfsCommonTrapPhysicalDeviceName, xfsCommonTrapDeviceVendor,
xfsCommonTrapMIBVersion, xfsCommonTrapDate,
xfsCommonTrapSPVersion,
xfsCIMStatusDevice, xfsCIMStatusNumberSubDevices,
xfsCIMStatusSafeDoor, xfsCIMStatusAcceptor,

```

```

xfsCIMStatusIntermediateStacker, xfsCIMStatusStackerItems,
xfsCIMStatusBankNoteReader, xfsCIMStatusDropBox,
xfsCIMStatusShutterInputCenter, xfsCIMStatusPositionInputCenter,
xfsCIMStatusTransportInputCenter, xfsCIMStatusTransportItemsInputCenter,
xfsCIMStatusShutterInputLeft, xfsCIMStatusPositionInputLeft,
xfsCIMStatusTransportInputLeft, xfsCIMStatusTransportItemsInputLeft,
xfsCIMStatusShutterInputRight, xfsCIMStatusPositionInputRight,
xfsCIMStatusTransportInputRight, xfsCIMStatusTransportItemsInputRight,
xfsCIMStatusShutterInputTop, xfsCIMStatusPositionInputTop,
xfsCIMStatusTransportInputTop, xfsCIMStatusTransportItemsInputTop,
xfsCIMStatusShutterInputBottom, xfsCIMStatusPositionInputBottom,
xfsCIMStatusTransportInputBottom, xfsCIMStatusTransportItemsInputBottom,
xfsCIMStatusShutterInputFront, xfsCIMStatusPositionInputFront,
xfsCIMStatusTransportInputFront, xfsCIMStatusTransportItemsInputFront,
xfsCIMStatusShutterInputRear, xfsCIMStatusPositionInputRear,
xfsCIMStatusTransportInputRear, xfsCIMStatusTransportItemsInputRear,
xfsCIMStatusShutterOutputCenter, xfsCIMStatusPositionOutputCenter,
xfsCIMStatusTransportOutputCenter,
xfsCIMStatusTransportItemsOutputCenter,
xfsCIMStatusShutterOutputLeft, xfsCIMStatusPositionOutputLeft,
xfsCIMStatusTransportOutputLeft, xfsCIMStatusTransportItemsOutputLeft,
xfsCIMStatusShutterOutputRight, xfsCIMStatusPositionOutputRight,
xfsCIMStatusTransportOutputRight, xfsCIMStatusTransportItemsOutputRight,
xfsCIMStatusShutterOutputTop, xfsCIMStatusPositionOutputTop,
xfsCIMStatusTransportOutputTop, xfsCIMStatusTransportItemsOutputTop,
xfsCIMStatusShutterOutputBottom, xfsCIMStatusPositionOutputBottom,
xfsCIMStatusTransportOutputBottom, xfsCIMStatusTransportItemsOutputBottom,
xfsCIMStatusShutterOutputFront, xfsCIMStatusPositionOutputFront,
xfsCIMStatusTransportOutputFront, xfsCIMStatusTransportItemsOutputFront,
xfsCIMStatusShutterOutputRear, xfsCIMStatusPositionOutputRear,
xfsCIMStatusTransportOutputRear, xfsCIMStatusTransportItemsOutputRear,
xfsCIMStatusExtraStatus
}
STATUS current
DESCRIPTION
    "This trap indicates the Reset action has complete and reports the
    state of the device after the reset."
 ::= { xfsTrapV2 313 }

```

END

## 5 Appendix B - C-Header files

---

### 5.1 XFSMIBCIM.H

---



XFSMIBCIM.H

```

/*****
*
* xfsmibcim.h      WOSA/XFS - MIB CIM counters
*
*                  Version 1.00  --  Jan 20, 2003
*
*****/

#ifndef __inc_xfsmibcim_h
#define __inc_xfsmibcim_h

#ifdef __cplusplus

```

```

extern "C" {
#ifdef

/*****
* CIM Status #defines
*****/

enum IxfsCIMSafeDoorStatus
{
    xfsCIMDoorNotSupported =2,
    xfsCIMDoorOpen,
    xfsCIMDoorClosed,
    xfsCIMDoorUnknown
} xfsCIMSafeDoorStatus;

enum IxfsCIMAcceptorStatus
{
    xfsCIMAccOK =1,
    xfsCIMAccCUState,
    xfsCIMAccCUStop,
    xfsCIMAccCUUnknown
}xfsCIMAcceptorStatus;

enum IxfsCIMIntermediateStackerStatus
{
    xfsCIMISEmpty =1,
    xfsCIMISNotEmpty,
    xfsCIMISFull,
    xfsCIMISUnknown,
    xfsCIMISNotSupported
} xfsCIMIntermediateStackerStatus;

enum IxfsCIMStackerItemsStatus
{
    xfsCIMCustomerAccess =1,
    xfsCIMNoCustomerAccess,
    xfsCIMAccessUnknown,
    xfsCIMNoItems = 5
} xfsCIMStackerItemsStatus;

enum IxfsCIMBankNoteReaderStatus
{
    xfsCIMBNROK =1,
    xfsCIMBNRINOP,
    xfsCIMBNRUnknown,
    xfsCIMBNRNotSupported
} xfsCIMBankNoteReaderStatus;

enum IxfsCIMShutterStatus
{
    xfsCIMShtClosed =1,
    xfsCIMShtOpen,
    xfsCIMShtJammed,
    xfsCIMShtUnknown,
    xfsCIMShtNotSupported
} xfsCIMShutterInputStatus;

enum IxfsCIMPositionStatus

```

```

{
    xfsCIMPSEmpty =1,
    xfsCIMPSNotEmpty,
    xfsCIMPSUnknown,
    xfsCIMPSNotSupported
} xfsCIMPositionStatus;

enum IxfsCIMTransportStatus
{
    xfsCIMTPOK =1,
    xfsCIMTPInop,
    xfsCIMTPUnknown,
    xfsCIMTPNotSupported
} xfsCIMTransportStatus;

enum IxfsCIMTransportItemsStatus
{
    xfsCIMTPStatEmpty =1,
    xfsCIMTPStatNotEmpty,
    xfsCIMTPStatNotEmptyCust,
    xfsCIMTPStatNotEmptyUnk,
    xfsCIMTPStatNotSupported
} xfsCIMTransportItemsInputStatus;

/*****
*   CIM SubDevice #defines
*****/

enum IxfsCIMCUType
{
    xfsCIMTypeRecycling =2,
    xfsCIMTypecashIn,
    xfsCIMTypeRepContainer,
    xfsCIMTypeRetractCassette
} xfsCIMCUtype;

enum IxfsCIMCUStatus
{
    xfsCIMStatCUOK =1,
    xfsCIMStatCUFull,
    xfsCIMStatCUHigh,
    xfsCIMStatCUEmpty,
    xfsCIMStatCUInop,
    xfsCIMStatCUMissing,
    xfsCIMStatCUNoval,
    xfsCIMStatCUNoref,
    xfsCIMStatCUManip
} xfsCIMStatus;

/*****
*
*   MIB Variables for the Status Table
*
*****/

```



```

*
*****/

#define xfsCIMStatusManagedServiceName      (1)
#define xfsCIMStatusNumberSubDevices        (2)
#define xfsCIMStatusDevice                   (3)
#define xfsCIMStatusSafeDoor                 (4)
#define xfsCIMStatusAcceptor                  (5)
#define xfsCIMStatusIntermediateStacker      (6)
#define xfsCIMStatusStackerItems             (7)
#define xfsCIMStatusBankNoteReader           (8)
#define xfsCIMStatusDropBox                   (9)
#define xfsCIMStatusShutterInputCenter       (10)
#define xfsCIMStatusPositionInputCenter      (11)
#define xfsCIMStatusTransportInputCenter     (12)
#define xfsCIMStatusTransportItemsInputCenter (13)
#define xfsCIMStatusShutterInputLeft         (14)
#define xfsCIMStatusPositionInputLeft        (15)
#define xfsCIMStatusTransportInputLeft       (16)
#define xfsCIMStatusTransportItemsInputLeft  (17)
#define xfsCIMStatusShutterInputRight        (18)
#define xfsCIMStatusPositionInputRight       (19)
#define xfsCIMStatusTransportInputRight      (20)
#define xfsCIMStatusTransportItemsInputRight (21)
#define xfsCIMStatusShutterInputTop          (22)
#define xfsCIMStatusPositionInputTop         (23)
#define xfsCIMStatusTransportInputTop        (24)
#define xfsCIMStatusTransportItemsInputTop   (25)
#define xfsCIMStatusShutterInputBottom       (26)
#define xfsCIMStatusPositionInputBottom      (27)
#define xfsCIMStatusTransportInputBottom     (28)
#define xfsCIMStatusTransportItemsInputBottom (29)
#define xfsCIMStatusShutterInputFront        (30)
#define xfsCIMStatusPositionInputFront       (31)
#define xfsCIMStatusTransportInputFront      (32)
#define xfsCIMStatusTransportItemsInputFront (33)
#define xfsCIMStatusShutterInputRear         (34)
#define xfsCIMStatusPositionInputRear        (35)
#define xfsCIMStatusTransportInputRear       (36)
#define xfsCIMStatusTransportItemsInputRear  (37)
#define xfsCIMStatusShutterOutputCenter      (38)
#define xfsCIMStatusPositionOutputCenter     (39)
#define xfsCIMStatusTransportOutputCenter    (40)
#define xfsCIMStatusTransportItemsOutputCenter (41)
#define xfsCIMStatusShutterOutputLeft        (42)
#define xfsCIMStatusPositionOutputLeft       (43)
#define xfsCIMStatusTransportOutputLeft      (44)
#define xfsCIMStatusTransportItemsOutputLeft (45)
#define xfsCIMStatusShutterOutputRight       (46)
#define xfsCIMStatusPositionOutputRight      (47)
#define xfsCIMStatusTransportOutputRight     (48)
#define xfsCIMStatusTransportItemsOutputRight (49)
#define xfsCIMStatusShutterOutputTop         (50)
#define xfsCIMStatusPositionOutputTop        (51)
#define xfsCIMStatusTransportOutputTop       (52)
#define xfsCIMStatusTransportItemsOutputTop   (53)
#define xfsCIMStatusShutterOutputBottom      (54)
#define xfsCIMStatusPositionOutputBottom     (55)
#define xfsCIMStatusTransportOutputBottom    (56)
#define xfsCIMStatusTransportItemsOutputBottom (57)
#define xfsCIMStatusShutterOutputFront       (58)
#define xfsCIMStatusPositionOutputFront      (59)
#define xfsCIMStatusTransportOutputFront     (60)
#define xfsCIMStatusTransportItemsOutputFront (61)
#define xfsCIMStatusShutterOutputRear        (62)
#define xfsCIMStatusPositionOutputRear       (63)
#define xfsCIMStatusTransportOutputRear      (64)
#define xfsCIMStatusTransportItemsOutputRear (65)

```

```

#define xfsCIMStatusExtraStatus          (100)

/*****
*
* MIB Variables for the SubDevice Table
*
*
*****/

#define xfsCIMSubDeviceManagedServiceName (1)
#define xfsCIMSubDeviceIndex      (2)

#define xfsCIMSubDeviceCUType      (3)
#define xfsCIMSubDeviceCUItemType (4)
#define xfsCIMSubDeviceCULUnitID   (5)
#define xfsCIMSubDeviceCUCurrencyID (6)
#define xfsCIMSubDeviceCUValues    (7)
#define xfsCIMSubDeviceCUCashInCount (8)
#define xfsCIMSubDeviceCULCount    (9)
#define xfsCIMSubDeviceCULMaximum  (10)
#define xfsCIMSubDeviceCULogicalStatus (11)
#define xfsCIMSubDeviceCUApplock   (12)
#define xfsCIMSubDeviceCUPhysicalPositionName (13)
#define xfsCIMSubDeviceCUPUnitID   (14)
#define xfsCIMSubDeviceCUPCashInCount (15)
#define xfsCIMSubDeviceCUPCount    (16)
#define xfsCIMSubDeviceCUPMaximum  (17)
#define xfsCIMSubDeviceCUPhysicalStatus (18)
#define xfsCIMSubDeviceCUPHardwareSensor (19)
#define xfsCIMSubDeviceCUExponent  (20)

/*****
*
* MIB Variables for the Error Table
*
*
*****/
/* Command codes and error codes correspond to the Service Provider definitions. */

#ifdef __cplusplus
} /*extern "C"*/
#endif
#endif /* __inc_xfsmibcim_h */

```