

Changes to RFC 1759 (Internet Draft Revision draft-ietf-printmib-mib-info-03)

RFC1759 had 9 mandatory groups and 9 optional groups. Now there are 11 optional groups. The two new groups are: prtInputSwitchingGroup and prtAuxiliarySheetGroup

MIN-ACCESS has been added to all objects that had MAX-ACCESS of READ-WRITE in RFC1759. All MIN-ACCESS is READ-ONLY except for one object, prtGeneralReset, which has MIN-ACCESS of READ-WRITE.

Following values were added to, changed or deprecated from the respective enumerations:

prtMarkerSuppliesType

added

fuser(15),
coronaWire(16),
fuserOilWick(17),
cleanerUnit(18),
fuserCleaningPad(19),
transferUnit(20),
tonerCartridge(21),
fuserOiler(22)

prtMarkerSuppliesSupplyUnit

added

impressions(7),
sheets(8),
hours(11),
feet(16),
meters(17)

prtChannelType

deleted

chDLLAPI(29)
chVxDABI(30)

changed

to chPSM(28) from chDPMF(28)

deprecated

chPort9100(11)

added

chUSB(34)
chIRDA(35)
chPrintXChange(36)
chPortTCP(37)
chBidirPortTCP(38)
chUNPP(39)
chAppleTalkADSP(40)
chPortSPX(41)
chPortHTTP(42)
chNDPS(43)

prtInterpreterLangFamily

added

unknown(2)
langPCLXL(47)

langART(48)
langTIPSI(49)
langPrescribe(50)
langLinePrinter(51)
langIDP(52)
langXJCL(53)
langPDF(54)
langRPDL(55)
langIntermediPL(56)
langUBIFingerprint(57)
langUBIDirectProtocol(58)

prtAlertTrainingLevel

added

noInterventionRequired(7)

prtAlertGroup

added

alert(18)

prtAlertCode

changed

to

coverOpened(3)
interlockOpened(5)
configurationChanged(7)
jammed(8)
poweredUp(503)
poweredDown(504)
inputMediaSizeChanged(802)
inputMediaWeightChanged(803)
inputMediaTypeChanged(804)
inputMediaColorChanged(805)
interpreterMemoryIncreased(1501)
interpreterMemoryDecreased(1502)

from

coverOpen(3)
interlockOpen(5)
configurationChange(7)
jam(8)
powerUp(503)
powerDown(504)
inputMediaSizeChange(802)
inputMediaWeightChange(803)
inputMediaTypeChange(804)
inputMediaColorChange(805)
interpreterMemoryIncrease(1501)
interpreterMemoryDecreased(1502)

added

subunitMissing(9)
subunitLifeAlmostOver(10)
subunitLifeOver(11)
subunitAlmostEmpty(12)
subunitEmpty(13)
subunitAlmostFull(14)
subunitFull(15)
subunitNearLimit(16)
subunitAtLimit(17)
subunitOpened(18)
subunitClosed(19)
subunitTurnedOn(20)
subunitTurnedOff(21)
subunitOffline(22)
subunitPowerSaver(23)
subunitWarmingUp(24)
subunitAdded(25)
subunitRemoved(26)

subunitResourceAdded(27)
 subunitResourceRemoved(28)
 subunitRecoverableFailure(29)
 subunitUnrecoverableFailure(30)
 subunitRecoverableStorageError(31)
 subunitUnrecoverableStorageError(32)
 subunitMotorFailure(33)
 subunitMemoryExhausted(34)
 subunitUnderTemperature(35)
 subunitOverTemperature(36)
 subunitTimingFailure(37)
 subunitThermistorFailure(38)
 printerNMSReset(505)
 printerManualReset(506)
 printerReadyToPrint(507)
 inputMediaChangeRequest(809)
 inputManualInputRequest(810)
 inputTrayPositionFailure(811)
 inputTrayElevationFailure(812)
 inputCannotFeedSizeSelected(813)
 outputMailboxSelectFailure(904)
 markerFuserTimingFailure(1003)
 markerFuserThermistorFailure(1004)
 markerAdjustingPrintQuality(1005)
 markerTonerCartridgeMissing(1115)
 interpreterComplexPageEncountered(1509)
 alertRemovalOfBinaryChangeEntry(1801)

prtAlertSeverityLevel

changed

<u>to</u>	<u>from</u>
criticalBinaryChangeEvent(3)	critical(3)
warningUnaryChangeEvent(4)	warning(4)

added

warningBinaryChangeEvent(5)

prtConsoleColor

added

orange(10)

prtConsoleDisable

changed

<u>to</u>	<u>from</u>
operatorConsoleEnabled(3)	enabled(3)
operatorConsoleDisabled(4)	disabled(4)

added

operatorConsoleEnabledLevel1(5)
 operatorConsoleEnabledLevel2(6)
 operatorConsoleEnabledLevel3(7)

prtCoverStatus

changed

to

coverOpen(3)
coverClosed(4)

from

doorOpen(3)
doorClosed(4)

Ranges were changed on some objects:

prtConsoleLightIndex - minimum changed to 1 from 0

prtDeviceRefIndex - minimum changed to 1 from 0

prtDeviceRefSeqNumber - minimum changed to 1 from 0

prtInputSerialNumber - maximum changed to 63 from 32

prtMarkerColorantValue - maximum changed to 255 from 63

prtStorageRefIndex - minimum changed to 1 from 0

prtStorageRefSeqNumber - minimum changed to 1 from 0

Following are new Textual Conventions (not present in RFC1759):

PrtPrintOrientationTC
PrtCoverStatusTC
PrtGeneralResetTC
PrtChannelStateTC
PrtChannelTypeTC
PrtInterpreterLangFamilyTC
PrtInputTypeTC
PrtOutputTypeTC
PrtOutputStackingOrderTC
PrtOutputPageDeliveryOrientationTC
PrtMarkerMarkTechTC
PrtMarkerCounterUnitTC
PrtMarkerSuppliesTypeTC
PrtMarkerSuppliesSupplyUnitTC
PrtMarkerSuppliesClassTC
PrtMarkerColorantRoleTC
PrtMediaPathMaxSpeedPrintUnitTC
PrtMediaPathTypeTC
PrtPrintOrientationTC
PrtInterpreterTwoWayTC
PrtConsoleColorTC
PrtAlertSeverityLevelTC
PrtAlertTrainingLevelTC
PrtAlertGroupTC
PrtAlertCodeTC

The General Printer Group:

Six new objects were added:

prtAuxiliarySheetStartupPage	PresentOnOff
prtAuxiliarySheetBannerPage	PresentOnOff
prtGeneralPrinterName	Display string
prtGeneralSerialNumber	Octet string
prtAlertCriticalEvents	Counter32
prtAlertAllEvents	Counter32

Responsible Party Group

Added a convention for how phone number, e-mail address, and fax phone number should be represented in the description of prtGeneralCurrentOperator and prtGeneralServicePerson.

The Auxiliary Sheet Group (a new optional group)

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prtAuxiliarySheetStartupPage
prtAuxiliarySheetBannerPage
prtGeneralPrinterName
prtGeneralSerialNumber
prtAlertCriticalEvents
prtAlertAllEvents

```

The Input Switching Group (a new optional group in the Input Group)

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prtInputMediaLoadTimeout
prtInputNextIndex

```

The Print Job Delivery Channel Group (name changed from The Channel Group)

One new object was added:

prtChannellInformation	DisplayString
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prtAlertTimeGroup has been DEPRECATED (prtMIBGroups 18)