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```
[Experimental, Version ( "2.24.0" ),
UMLPackagePath ( "CIM::Device::Printing" ),
Description (
    "This class represents the PrintChannel component of a Printer "
    "(print device). It contains properties that describe the print "
    "protocol type and version and the status of the PrintChannel. "
    "Note: A PrintChannel shall be associated with exactly one "
    "Printer via an instance of the PrinterComponent class. A "
    "PrintChannel may be associated with a PrintInterpreter (for "
    "Job Control Language or Page Description Language defaults) "
    "via an instance of AssociatedPrintInterpreter. See: Model in "
    "section 2 of Printer MIB (RFC 3805)." ),
MappingStrings { "MIB.IETF|Printer-MIB.prtChannelEntry" }]
class CIM_PrintChannel : CIM_PrinterElement {

    [Description (
        "The type of this PrintChannel. This property provides "
        "the linkage to PrintChannel type-specific classes that "
        "may (conceptually) extend the PrintChannel class with "
        "additional details about that PrintChannel." ),
    ValueMap { "1", "3", "4", "5", "6", "7", "8", "9", "10",
        "11", "12", "13", "14", "15", "16", "17", "18", "19",
        "20", "21", "22", "23", "24", "25", "26", "27", "28",
        "29", "30", "31", "32", "33", "34", "35", "36", "37",
        "38", "39", "40", "41", "42", "43", "44", "45", "46", ".." },
    Values { "Other", "ChSerialPort", "ChParallelPort",
        "ChIEEE1284Port", "ChSCSIPort", "ChAppleTalkPAP",
        "ChLPDServer", "ChNetwareRPrinter", "ChNetwarePServer",
        "ChPort9100", "ChAppSocket", "ChFTP", "ChTFTP",
        "ChDLCLLCPort", "ChIBM3270", "ChIBM5250", "ChFax",
        "ChIEEE1394", "ChTransport1", "ChCPAP",
        "ChDCERemoteProcCall", "ChONCRemoteProcCall", "ChOLE",
        "ChNamedPipe", "ChPCPrint", "ChServerMessageBlock",
        "ChDPMF", "ChDLLAPI", "ChVxDAP", "ChSystemObjectManager",
        "ChDECLAT", "ChNPAP", "ChUSB", "ChIRDA", "ChPrintXChange",
        "ChPortTCP", "ChBidirPortTCP", "ChUNPP",
        "ChAppleTalkADSP", "ChPortSPX", "ChPortHTTP", "ChNDPS",
        "ChIPP", "ChSMTP", "ChWSPrint", "DMTF Reserved" },
    MappingStrings { "MIB.IETF|Printer-MIB.prtChannelType",
        "MIB.IETF|IANA-PRINTER-MIB.PrtChannelTypeTC" },
    ModelCorrespondence {
        "CIM_PrintChannel.OtherTypeDescription",
        "CIM_PrintChannel.ProtocolVersion" }]
uint32 Type;

    [Description (
        "A free-form string that describes the type of "
        "PrintChannel when the value of the Type property is "
        "equal to 1 (Other)." ),
    MinLen ( 0 ),
    MaxLen ( 255 ),
    ModelCorrespondence { "CIM_PrintChannel.Type",
        "CIM_PrintChannel.ProtocolVersion" }]
```

```
string OtherTypeDescription;
```

```
[Description (
    "The version of the protocol used on this PrintChannel. "
    "The format used for version numbering depends on value "
    "of the Type property, as specified in the "
    "PrtChannelTypeTC textual convention in the IANA Printer "
    "MIB (originally published in RFC 3805)." ),
MinLen ( 0 ),
MaxLen ( 63 ),
MappingStrings {
    "MIB.IETF|Printer-MIB.prtChannelProtocolVersion",
    "MIB.IETF|IANA-PRINTER-MIB.PrtChannelTypeTC" },
ModelCorrespondence { "CIM_PrintChannel.Type",
    "CIM_PrintChannel.OtherTypeDescription" }]
```

```
string ProtocolVersion;
```

```
[Description (
    "This property contains detailed availability information "
    "for this PrintChannel, as follows: 1 (Other) means other "
    "detailed availability information is present in the "
    "OtherAvailabilityStatus property. 2 (Unknown) means "
    "detailed availability information for this PrintChannel "
    "is unknown. 3 (AvailableIdle) means this PrintChannel is "
    "available and idle, i.e., not currently in use. 4 "
    "(AvailableStandby) means this PrintChannel is available "
    "but on standby, e.g., in a power saving mode. 5 "
    "(AvailableActive) means this PrintChannel is available "
    "and active, i.e., currently in use. 6 (AvailableBusy) "
    "means this PrintChannel is available but busy, i.e., not "
    "immediately available for its primary function. 7 "
    "(UnavailableOnRequest) means this PrintChannel is not "
    "available and is on request, i.e., needs human "
    "intervention. 8 (UnavailableBroken) means this "
    "PrintChannel is not available and is broken, e.g., needs "
    "repair/replacement." ),
ValueMap { "1", "2", "3", "4", "5", "6", "7", "8", ".." },
Values { "Other", "Unknown", "AvailableIdle",
    "AvailableStandby", "AvailableActive", "AvailableBusy",
    "UnavailableOnRequest", "UnavailableBroken",
    "DMTF Reserved" },
MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" },
ModelCorrespondence {
    "CIM_ManagedSystemElement.OperatingStatus",
    "CIM_PrintChannel.OtherAvailabilityStatus" }]
```

```
uint32 AvailabilityStatus;
```

```
[Description (
    "A free-form string that describes the detailed "
    "availability of this PrintChannel when the value of the "
    "AvailabilityStatus property is equal to 1 (Other)." ),
MinLen ( 0 ),
MaxLen ( 255 ),
ModelCorrespondence { "CIM_PrintChannel.AvailabilityStatus" }]
```

```
string OtherAvailabilityStatus;
```

```
[Description (
    "If true, there are currently non-critical alerts on this "
    "PrintChannel." ),
MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" },
ModelCorrespondence {
    "CIM_ManagedSystemElement.DetailedStatus" }]
```

```
boolean NonCriticalAlertsPresent;
```

```
[Description (
    "If true, there are currently critical alerts on this "
    "PrintChannel." ),
MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" },
ModelCorrespondence {
    "CIM_ManagedSystemElement.DetailedStatus" }]
```

```
boolean CriticalAlertsPresent;
```

```
};
```