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[Experimental, Version ( "2.24.0" ),
UMLPackagePath ( "CIM::Device::Printing" ),
Description (
    "This class represents the PrintInterpreter component of a "
    "Printer (print device). It contains properties that describe "
    "the PrintInterpreter, including language type, language level, "
    "maximum resolution, default input character set, and status. "
    "Note: A PrintInterpreter shall be associated with exactly one "
    "Printer via an instance of the PrinterComponent class. A "
    "PrintInterpreter may be associated with a PrintChannel (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.prtInterpreterEntry" }]
class CIM_PrintInterpreter : CIM_PrinterElement {
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    [Description (
        "A free-form text description of this PrintInterpreter in "
        "the localization specified by "
        "CIM_Printer.CurrentNaturalLanguage." ),
    MinLen ( 0 ),
    MaxLen ( 255 ),
    MappingStrings {
        "MIB.IETF|Printer-MIB.prtInterpreterDescription",
        "MIB.IETF|Printer-MIB.PrtLocalizedDescriptionStringTC" }]
    string LocalizedDescription;
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    [Description (
        "The language type of a Page Description Language (PDL) "
        "or Job Control Language (JCL) which this "
        "PrintInterpreter can interpret or emulate." ),
    ValueMap { "1", "2", "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",
        "47", "48", "49", "50", "51", "52", "53", "54", "55",
        "56", "57", "58", "59", "60", "61", "62", "63", "64",
        "65", "66", "67", ".." },
    Values { "Other", "Unknown", "LangPCL", "LangHPGL",
        "LangPJL", "LangPS", "LangIPDS", "LangPPDS",
        "LangEscapeP", "LangEpson", "LangDDIF", "LangInterpress",
        "LangISO6429", "LangLineData", "LangMODCA", "LangREGIS",
        "LangSCS", "LangSPDL", "LangTEK4014", "LangPDS",
        "LangIGP", "LangCodeV", "LangDSCDSE", "LangWPS",
        "LangLN03", "LangCCITT", "LangQUIC", "LangCPAP",
        "LangDecPPL", "LangSimpleText", "LangNPAP", "LangDOC",
        "LangimPress", "LangPinwriter", "LangNPDL",
        "LangNEC201PL", "LangAutomatic", "LangPages", "LangLIPS",
        "LangTIFF", "LangDiagnostic", "LangPSPrinter",
        "LangCaPSL", "LangEXCL", "LangLCDS", "LangXES",
        "LangPCLXL", "LangART", "LangTIPSI", "LangPrescribe",
        "LangLinePrinter", "LangIDP", "LangXJCL", "LangPDF",
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    "LangRPDL", "LangIntermecIPL", "LangUBIFingerprint",
    "LangUBIDirectProtocol", "LangFujitsu", "LangCGM",
    "LangJPEG", "LangCALS1", "LangCALS2", "LangNIRS",
    "LangC4", "LangXPS", "LangOpenXPS", "DMTF Reserved" },
MappingStrings {
    "MIB.IETF|Printer-MIB.prtInterpreterLangFamily",
    "MIB.IETF|IANA-PRINTER-MIB.PrtInterpreterLangFamilyTC" },
ModelCorrespondence {
    "CIM_PrintInterpreter.OtherLangTypeDescription",
    "CIM_PrintInterpreter.LangLevel" }]
uint32 LangType;

[Description (
    "A free-form string that describes the type of language "
    "when the value of the LangType property is equal to 1 "
    "(Other)." ),
MinLen ( 0 ),
MaxLen ( 255 ),
ModelCorrespondence { "CIM_PrintInterpreter.LangType",
    "CIM_PrintInterpreter.LangLevel" }]
string OtherLangTypeDescription;

[Description (
    "The level of the language which this PrintInterpreter is "
    "interpreting or emulating. For example, this property "
    "might contain: (a) a value of \'5e\' for a "
    "PrinterInterpreter which is emulating level 5e of the "
    "PCL; (b) a value of \'2\' for a PrinterInterpreter which "
    "is emulating level 2 of the PostScript language; or (c) "
    "a value of \'2\' for a PrinterInterpreter which is "
    "emulating level 2 of the HPGL language." ),
MinLen ( 0 ),
MaxLen ( 31 ),
MappingStrings {
    "MIB.IETF|Printer-MIB.prtInterpreterLangLevel" },
ModelCorrespondence { "CIM_PrintInterpreter.LangType",
    "CIM_PrintInterpreter.OtherLangTypeDescription" }]
string LangLevel;

[Description (
    "The basis for the limit properties FeedAddressability "
    "and XFeedAddressability, that specifies whether "
    "meaningful values are available. 1 (Other) means the "
    "PrintInterpreter places no restrictions on "
    "addressability and FeedAddressability and "
    "XFeedAddressability shall be null. 2 (Unknown) means the "
    "PrintInterpreter does not have meaningful values and "
    "FeedAddressability and XFeedAddressability shall be "
    "null. 3 (Actual) means the PrintInterpreter does have "
    "meaningful values and FeedAddressability and "
    "XFeedAddressability shall be present." ),
ValueMap { "1", "2", "3", ".." },
Values { "Other", "Unknown", "Actual", "DMTF Reserved" },
MappingStrings {

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    "MIB.IETF|Printer-MIB.prtInterpreterFeedAddressability",
    "MIB.IETF|Printer-MIB.prtInterpreterXFeedAddressability" },
    ModelCorrespondence {
        "CIM_PrintInterpreter.FeedAddressability",
        "CIM_PrintInterpreter.XFeedAddressability" }]
uint16 AddressabilityBasis;

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[Description (
    "The maximum addressability (often called resolution) of "
    "this PrintInterpreter in dots per inch in the feed "
    "direction, i.e., long-edge in portrait feed mode." ),
    MinValue ( 0 ),
    MaxValue ( 2147483647 ),
    MappingStrings {
        "MIB.IETF|Printer-MIB.prtInterpreterFeedAddressability" },
    ModelCorrespondence {
        "CIM_PrintInterpreter.AddressabilityBasis",
        "CIM_PrintInterpreter.XFeedAddressability" },
    Punit ( "dot / inch" )]
uint32 FeedAddressability;

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[Description (
    "The maximum addressability (often called resolution) of "
    "this PrintInterpreter in dots per inch in the cross-feed "
    "direction, i.e., short-edge in portrait feed mode." ),
    MinValue ( 0 ),
    MaxValue ( 2147483647 ),
    MappingStrings {
        "MIB.IETF|Printer-MIB.prtInterpreterXFeedAddressability" },
    ModelCorrespondence {
        "CIM_PrintInterpreter.AddressabilityBasis",
        "CIM_PrintInterpreter.FeedAddressability" },
    Punit ( "dot / inch" )]
uint32 XFeedAddressability;

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[Description (
    "The default character set for input octets encountered "
    "by the PrintInterpreter outside of a context in which a "
    "Page Description Language (PDL) has established the "
    "interpretation of the octets, e.g., when the value of "
    "the LangType property is equal to 30 (LangSimpleText)." ),
    MinLen ( 0 ),
    MaxLen ( 63 ),
    MappingStrings {
        "MIB.IETF|Printer-MIB.prtInterpreterDefaultCharSetIn",
        "MIB.IETF|Printer-MIB.prtLocalizationCharacterSet",
        "MIB.IETF|IANA-CHARSET-MIB.IANACharset" },
    ModelCorrespondence { "CIM_PrintInterpreter.LangType" }]
string DefaultCharSetIn;

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[Description (
    "This property contains detailed availability information "
    "for this PrintInterpreter, as follows: 1 (Other) means "
    "other detailed availability information is present in "

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    "the OtherAvailabilityStatus property. 2 (Unknown) means "
    "detailed availability information for this "
    "PrintInterpreter is unknown. 3 (AvailableIdle) means "
    "this PrintInterpreter is available and idle, i.e., not "
    "currently in use. 4 (AvailableStandby) means this "
    "PrintInterpreter is available but on standby, e.g., in a "
    "power saving mode. 5 (AvailableActive) means this "
    "PrintInterpreter is available and active, i.e., "
    "currently in use. 6 (AvailableBusy) means this "
    "PrintInterpreter is available but busy, i.e., not "
    "immediately available for its primary function. 7 "
    "(UnavailableOnRequest) means this PrintInterpreter is "
    "not available and is on request, i.e., needs human "
    "intervention. 8 (UnavailableBroken) means this "
    "PrintInterpreter 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_PrintInterpreter.OtherAvailabilityStatus" }]
uint32 AvailabilityStatus;

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

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

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

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};