[MS-WMF]: Windows Metafile Format

This topic lists the Errata found in [MS-WMF] since it was last published. Since this topic is updated frequently, we recommend that you subscribe to these RSS or Atom feeds to receive update notifications.



Errata are subject to the same terms as the Open Specifications documentation referenced.

Errata below are for Protocol Document Version V15.0 – 2018/09/12

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Errata Published*	Description
2021/02/08	In section 2.2.2.13, PaletteEntry Object, revised the order of the fields.
	Changed from:
	The PaletteEntry Object defines the color and usage of an entry in a palette. $0123456789 $
	Values (1 byte): An 8-bit unsigned integer that defines how the palette entry is to be used. The Values field MUST be 0x00 or one of the values in the PaletteEntryFlag Enumeration (section 2.1.1.22) table.
	Blue (1 byte): An 8-bit unsigned integer that defines the blue intensity value for the palette entry. Green (1 byte): An 8-bit unsigned integer that defines the green intensity value for the palette
	entry. Red (1 byte): An 8-bit unsigned integer that defines the red intensity value for the palette entry.
	Changed to:
	The PaletteEntry Object defines the color and usage of an entry in a palette. 01234567891123456789212345678931 Red Green Blue Values
	Red (1 byte): An 8-bit unsigned integer that defines the red intensity value for the palette entry.
	Green (1 byte): An 8-bit unsigned integer that defines the green intensity value for the palette entry.
	Blue (1 byte): An 8-bit unsigned integer that defines the blue intensity value for the palette entry.
	Values (1 byte): An 8-bit unsigned integer that defines how the palette entry is to be used. The Values field MUST be 0x00 or one of the values in the PaletteEntryFlag Enumeration (section 2.1.1.22) table.
2021/02/08	In Section 2.2.2.5, BitmapV5Header Object, revised the values used in the Intent field:

Errata Published*	Description
	Changed from:
	Intent (4 bytes): A 32-bit unsigned integer that defines the rendering intent for the DIB. This MUST be defined in the LogicalColorSpace Enumeration (section 2.1.1.14). Changed to:
	Intent (4 bytes): A 32-bit unsigned integer that defines the rendering intent for the DIB. This MUST be a value defined in the GamutMappingIntent Enumeration (section 2.1.1.11).
2021/02/08	In Section 2.2.2.17, PolyPolygon Object, revised the definition of aPoints:
	Changed from: aPoints (variable): An array of 16-bit unsigned integers that define the coordinates of the polygons.
	Changed to: aPoints (variable): An array of PointS values that define the coordinates of the polygons. The length of the array is equal to the sum of all 16-bit integers in the aPointsPerPolygon array.
	In Section 2.3.3.15 META_POLYGON Record, revised casing and details of NumberOfPoints:
	Changed from:
	RecordFunction NumberofPoints
	Changed to:
	RecordFunction NumberOfPoints
	Changed from:
	NumberofPoints (2 bytes): A 16-bit signed integer that defines the number of points in the array.
	Changed to:
	NumberOfPoints (2 bytes): A 16-bit signed integer that defines the number of points in the array. This value must be greater than or equal to 2.
2021/02/08	In Section 2.3.3.5, META_EXTTEXTOUT RECORD, added string encoding details:
	Changed from:
	String (variable): A variable-length string that specifies the text to be drawn. The string does not need to be null-terminated, because StringLength specifies the length of the string. If the length is odd, an extra byte is placed after it so that the following member (optional Dx) is aligned on a 16-bit boundary.
	Changed to:

Errata Published* **Description** String (variable): A variable-length string that specifies the text to be drawn. The string does not need to be null-terminated, because StringLength specifies the length of the string. If the length is odd, an extra byte is placed after it so that the following member (optional Dx) is aligned on a 16-bit boundary. The string will be decoded based on the font object currently selected into the playback device context. If a font matching the font object's specification is not found, the decoding is undefined. If a matching font is found that matches the charset specified in the font object, the string should be decoded with the codepages in the following table. CharSet CodePage ID ANSI_CHARSET 1252 437 OEM CHARSET SHIFTJIS_CHARSET 932 HANGEUL CHARSET 949 JOHAB_CHARSET 1361 GB2312_CHARSET 936 CHINESEBIG5_CHARSET 950 HEBREW CHARSET 1255 ARABIC_CHARSET 1256 1253 GREEK_CHARSET TURKISH_CHARSET 1254 BALTIC CHARSET 1257 EASTEUROPE_CHARSET 1250 1251 RUSSIAN_CHARSET THAI_CHARSET 874 VIETNAMESE_CHARSET 1258 SYMBOL_CHARSET 42 2021/02/08 In Section 2.3, WMF Records, added information about record processing: Changed from: When a WMFmetafile (2) is processed, the order in which graphics output is performed MUST be the same as the order of drawing records in the metafile (2). Thus, a given drawing command is always rendered on top of the renderings of preceding commands. The following packet definition specifies the generic structure of all WMF Records except Control Record Types (section 2.3.2). Changed to:

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Rectangle
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Errata Published*	Description
	Changed from:
	Rectangle (8 bytes): An optional 8-byte Rect Object (section 2.2.2.18) that defines the dimensions, in logical coordinates, of a rectangle that is used for clipping, opaquing, or both.
	Changed to:
	Rectangle (8 bytes): An optional 8-byte Rect Object (section 2.2.2.18). When either ETO_CLIPPED, ETO_OPAQUE, or both are specified, the rectangle defines the dimensions, in logical coordinates, used for clipping, opaquing, or both. When neither ETO_CLIPPED nor ETO_OPAQUE is specified, the coordinates in Rectangle are ignored.
2021/02/08	In Section 2.3.2.3, META_PLACEABLE Record, added a cross-reference defining the BoundingBox:
	Changed from:
	BoundingBox (8 bytes): The rectangle in the playback context (or simply the destination rectangle), measured in logical units, for displaying the metafile. The size of a logical unit is specified by the Inch field.
	Changed to:
	BoundingBox (8 bytes): The rectangle in the playback context (or simply the destination rectangle), measured in logical units, for displaying the metafile. The size of a logical unit is specified by the Inch field. See section 2.2.2.18 for details about the structure of the BoundingBox field.
2021/02/08	The following sections have been changed.
	Section 2.1.1.17, MetafileEscapes Enumeration
	Section 2.1.1.23, PenStyle Enumeration
	Section 2.2.1.2, Font Object
	Section 2.3.3.15, META_POLYGON Record
	Section 2.3.6, Escape Record Types
	Section 2.3.6.4, CHECKJPEGFORMAT Record
	Section 2.3.6.5, CHECKPNGFORMAT Record
	Section 2.3.6.7, CLOSECHANNEL Record
	Section 2.3.6.8, DOWNLOADFACE Record
	Section 2.3.6.9, DOWNLOADHEADER Record
	Section 2.3.6.10, DRAWPATTERNRECT Record
	Section 2.3.6.14, EPSPRINTING Record
	Section 2.3.6.16, GETCOLORTABLE Record
	Section 2.3.6.17, GETDEVICEUNITS Record
	Section 2.3.6.18, GETEXTENDEDTEXTMETRICS Record Section 2.3.6.19, GETFACENAME Record
	Section 2.3.6.20, GETPAIRKERNTABLE Record Section 2.3.6.21, GETPHYSPAGESIZE Record
	Section 2.3.6.22, GETPRINTINGOFFSET Record
	Section 2.3.6.24, GETSCALINGFACTOR Record
	Section 2.3.6.35, OPENCHANNEL Record
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Errata Published*	Description
	Section 2.3.6.36, QUERYDIBSUPPORT Record
	Section 2.3.6.37, QUERYESCSUPPORT Record
	Section 2.3.6.38, SETCOLORTABLE Record
	Section 2.3.6.39, SETCOPYCOUNT Record
	Section 2.3.6.40, SETLINECAP Record
	Section 2.3.6.41, SETLINEJOIN Record
	Section 2.3.6.42, SETMITERLIMIT Record
	Please see diff file

^{*}Date format: YYYY/MM/DD