

[MS-EMF]: Enhanced Metafile Format

This topic lists the Errata found in the MS-EMF document 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 [V14.0 – 2018/09/12](#)

Errata Published*	Description
2021/03/08	<p>In Section 2.3.7.3, EMR_CREATECOLORSPACEW Record, clarified the semantics of the cbData value:</p> <p>Changed from:</p> <p>Data (variable, optional): An array of bytes that specifies color profile data.</p> <p>Changed to:</p> <p>Data (variable, optional): An array of bytes that specifies color profile data. When cbData is zero, this field is optional and is ignored.</p>
2021/03/08	<p>In Section 2.3.6.1, EMR_DRAWESCAPE Record, changed cross-reference:</p> <p>Changed from:</p> <p>Type (4 bytes): An unsigned integer that identifies this record type from the EmrComment enumeration (section 2.1.10). It MUST be EMR_DRAWESCAPE, which is 0x00000069.</p> <p>Changed to:</p> <p>Type (4 bytes): An unsigned integer that identifies this record type from the RecordType enumeration (section 2.1.1). It MUST be EMR_DRAWESCAPE, which is 0x00000069.</p> <p>In Section 2.3.6.2, EMR_EXTESCAPE Record, changed cross-reference:</p> <p>Changed from:</p> <p>Type (4 bytes): An unsigned integer that identifies this record type from the EmrComment enumeration (section 2.1.10). This value is 0x0000006A.</p> <p>Changed to:</p> <p>Type (4 bytes): An unsigned integer that identifies this record type from the RecordType enumeration (section 2.1.1). This value is 0x0000006A.</p> <p>In Section 2.3.6.3, EMR_NAMEDESCAPE Record, changed cross-reference:</p> <p>Changed from:</p>

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	<p>Type (4 bytes): An unsigned integer that identifies this record type from the EmrComment enumeration (section 2.1.10). It MUST be EMR_NAMEDESCAPE, which is 0x0000006E.</p> <p>Changed to:</p> <p>Type (4 bytes): An unsigned integer that identifies this record type from the RecordType enumeration (section 2.1.1). It MUST be EMR_NAMEDESCAPE, which is 0x0000006E.</p>
2021/02/08	<p>In Section 2.3, EMF Records, added information about ignoring data beyond the defined length of an EMF record:</p> <p>Changed from:</p> <p>All EMF records MUST be multiples of 4 bytes in length; hence, each record starts on a 32-bit offset from the start of the metafile. To ensure each subsequent record also starts on a 32-bit boundary, an AlignmentPadding field is used, if necessary. The contents of AlignmentPadding fields are indeterminate and MUST be ignored. In general, such fields are shown only in the generic definitions of record categories.</p> <p>Changed to:</p> <p>All EMF records MUST be multiples of 4 bytes in length; hence, each record starts on a 32-bit offset from the start of the metafile. To ensure each subsequent record also starts on a 32-bit boundary, an AlignmentPadding field is used, if necessary. The contents of AlignmentPadding fields are indeterminate and MUST be ignored. In general, such fields are shown only in the generic definitions of record categories.</p> <p>To ensure maximum compatibility, implementations need to allow for record truncation for unused fields at the end of an EMF record. If there are extra data at the end of the record undocumented by this specification, these data MUST be ignored.</p>
2021/02/08	<p>In Section 2.3.5.17, EMR_POLYBEZIER16 Record, removed the Start field which does not exist in the record:</p> <p>Changed from:</p> <p>Bounds (16 bytes): A RectL object ([MS-WMF] section 2.2.2.19), which specifies the inclusive-inclusive bounding rectangle in logical units.</p> <p>Start (8 bytes): A PointL object ([MS-WMF] section 2.2.2.15), which specifies the coordinates, in logical units, of the first radial ending point.Count (4 bytes): An unsigned integer that specifies the total number of points. This value MUST be one more than three times the number of curves to be drawn because each Bezier curve requires two control points and an endpoint, and the initial curve requires an additional starting point</p> <p>Changed to:</p> <p>Bounds (16 bytes): A RectL object ([MS-WMF] section 2.2.2.19), which specifies the inclusive-inclusive bounding rectangle in logical units.</p> <p>Count (4 bytes): An unsigned integer that specifies the total number of points. This value MUST be one more than three times the number of curves to be drawn because each Bezier curve requires two control points and an endpoint, and the initial curve requires an additional starting point</p>

*Date format: YYYY/MM/DD