

Goal: Enable producers to generate content that can be handled by any consumer.

Context:

There are several areas in the specification where components such as images, text, equations or audio may be included as part of an OOXML file.

We anticipate a wide range of consumers, many of which will not need to handle these sorts of components. For example, a slide-sorter will not need to touch in any of the images that appear on the slides; an audio reader application will not need to render any image.

Proposed resolution:

1. Add a table with a minimal number of reference standard formats.

- Images: png, jpg
- Text: UTF-16, HTML
- Audio: mpeg audio, ogg Vorbis
- Math, Equations: MathML 2.0
- Annotations: InkML

2. A producer that wants interoperability should use a reference standard format.

PT Proposal

PT-60 (R98)

Part 1 – 15.2.13 – ImagePart

INCLUDEPICTURE

The following clause should be added to the end of the text.

A producer that wants interoperability should use a reference standard format:

- **image/png** ISO/IEC 15948:2003 <http://www.libpng.org/pub/png/spec/>
- **image/jpeg** <http://www.w3.org/Graphics/JPEG>

PT-61 (R100)

Part 1 - 11.3.1 – Alternative Format Import Part

INCLUDETEXT

The following clause should be added to the end of the text.

A producer that wants interoperability should use a reference standard format:

- **TEXT** - application/txt (UTF-16)
- **HTML** - application/html

PT-89 (R93) – Math

Part 1 - 15.2.3.a Content Part

The following clause should be added to the end of the Content Part text.

If a producer that wants interoperability supports equations, it should use a reference standard format:

- [W3C MathML 2.0](#)
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PT-104 - R78

5.1.3.2 AudioFile (Audio from File)

ContentType

A producer that wants interoperability should use a reference standard format:

- [audio/ogg](#) http://xiph.org/vorbis/doc/Vorbis_I_spec.html
- [audio/mpeg](#) ISO/IEC 11172-3

15.2.16 Video Part

A producer that wants interoperability should use a reference standard format:

- [video/mpeg](#) ISO/IEC 13818
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PT-110 / R80 - Equations

Part 4 - 6.1.12.19

The following clause should be added to the end of the equationXML attribute.

If a producer that wants interoperability supports equations, it should use a reference standard format:

- [W3C MathML 2.0](#)
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PT-111 - R82 - Annotations

Part 1 - 15.2.3.a Content Part

The following clause should be added to the end of the Content Part text.

If a producer that wants interoperability supports ink annotations, it should use an ink annotation in this element in a reference standard format:

- [InkML](#) <http://www.w3.org/TR/inkregs>