## Embedding foreign OPC parts

Markup consumers are able (but not required) to preserve foreign OPC parts during save operations. Unknown parts are best suited to large amounts of data (either binary or XML) that the creator desires to be preserved during round-trip operations.

One good use for a foreign part would be for an embedded video file attached to a WordprocessingML document. First, we need to add the file to the OPC package:



And then add a relationship to the \\_rels\.rels part:

<Relationships
 xmlns="http://schemas.openxmlformats.org/package/2006/relationships">
 <Relationship Id="rId5" Type=<http://example.org/myexample>
 Target="extra.mov"/>
</Relationships>

The content will likely be preserved on round-trip through non-understanding applications, and because there is no requirement to serialise it into XML this extension mechanism is well-suited to binary data such as video or images.

A second good use of a foreign part would be to embed richer metadata than supported in the Core Properties part of an OPC package (IS 29500-2, §10) or the Custom Properties part of an OOXML document (IS 29500-1, §15.2.12.2). For example, an ONIX for Books Product Information Message could be embedded in the package for a WordProcessingML document using the same approach as outlined above. Although the ONIX record would be in XML, applications would not be required to parse or understand the record.

[Question from CRA: Is there any way to declare/register a relationship type that is specific to ONIX or rich metadata? Chris has just used example.org, which was “established to be used for illustrative examples in documents.” I would be hoping for something more appropriate. Would it be reasonable to use the same host as Editeur uses for ONIX namespace URLs – which don’t resolve? Example: <http://ns.editeur.org/onix/3.0/short> ]

End of informative text

Refer somewhere to <http://www.editeur.org/83/Overview/> for ONIX