DR 12-0024 — General: Problems with the rendering of figures

Status: Further Consideration Required

Subject: General: Problems with the rendering of figures

Qualifier: Editorial defect

Submitter: Francis Cave   **Organization:** (BSI)

Contact Information: francis@franciscave.com

Submitter's Defect Number: 2012-06/18

Supporting Document(s): none

Date Circulated by Secretariat: 2012-12-21

Deadline for Response from Editor: 2013-02-21

IS 29500 Reference(s): 29500-1:2012, various subclauses (see below)

Related DR(s): none

Nature of the Defect:

Part 1, §20.1.8.40, "innerShdw (Inner Shadow Effect)", p. 2862 — The shadow in the figure in the PDF doesn't look right. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §20.1.8.45, "outerShdw (Outer Shadow Effect)", p. 2864 — The shadow in the figure in the PDF doesn't look right. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §20.1.8.50, "reflection (Reflection Effect)", p. 2868 — The shadow in the figure in the PDF doesn't look right. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §20.4.2.6, "effectExtent (Object Extents Including Effects)", pp. 3100–3103 — The shadows in figures 2–6 in the PDF are not rendered correctly. [Rex: Agreed. They don't quite match the 2012 DOCX master.]

Part 1, §20.4.2.18, "wrapThrough (Through Wrapping)|, p. 3118–3119 — The shadows in the three figures in the PDF are not rendered correctly. [Rex: Agreed. They don't quite match the 2012 DOCX master.]

Part 1, §20.4.2.19, "wrapTight (Tight Wrapping)", pp. 3121–3122 — The shadows in the three figures in the PDF are not rendered correctly. [Rex: Agreed. They don't quite match the 2012 DOCX master.]

Part 1, §L.4.3.2.10, "Effect Style List", p. 4801 — The shadow around the figure in the PDF is not rendered correctly. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §L.4.3.2.13, "Table Styles", p. 4801 — The edges/shadows in the middle and right figures in the PDF are not rendered correctly. [Rex: Agreed. They don't quite match the 2012 DOCX master.]

Part 1, §L.4.5.2, "This aspect of DrawingML …", p. 4820 — The shadow around the figure in the PDF is not rendered correctly. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §L.4.8.5.3, "Line Join Properties", p. 4867 — The outside borders all look much the same when they should be different. [Rex: Agreed. They don't quite match the 2012 DOCX master.]

Part 1, §L.4.8.5.4, "Head/Tail End Properties", p. 4867 — The shadow around the figure in the PDF is not rendered correctly. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §L.4.8.5.5, "Line Attributes", p. 4868 — The shadow around the figure in the PDF is not rendered correctly. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §L.4.8.6.4, "Outer Shadow", p. 4870 — The shadow around the figure in the PDF is not rendered correctly (although the one for Inner Shadow just above is correct). [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §L.4.8.6.6, "Reflection Effects", p. 4871 — The borders are odd and the bottom half has the wrong color. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §L.4.8.6.7, "Soft Edge Effects", p. 4872 — The soft edge effect is not rendered correctly. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Part 1, §L.4.15.3, "Data Model", p. 4912 — The two figures are not rendered correctly. [Rex: Agreed. They don't quite match the 2012 DOCX master.]

Part 1, §L.6.2, "Metadata", p. 4912 — The figure is not rendered correctly. [Rex: Agreed. It doesn't quite match the 2012 DOCX master.]

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

No

Editor's Response:

2013-01-28 Rex Jaeschke:

I generated the 29500:2012 PDFs using MS Office 2010, and I selected the PDF/A option. Unbeknownst to me that setting disables transparency of graphical objects. I extracted from the standard the figures in question and generated PDFs with and without PDF/A selected. The version without PDF/A looks just like the original DOCX, so the solution going forward is to deselect that option.

2013-01-28 Jim Thatcher:

Yes, transparency is one of the PDF features that is prohibited in the edition of ISO 19005 that Word implements (PDF/A-1, ISO 19005-1:2005). The second edition of PDF/A, published in June 2011, allows transparency. We are working with the product team to update the PDF/A support in a future version of Microsoft Word.

2013-02-04/06 Copenhagen Meeting:

Resolution of this DR requires further work. Remains open for Rex to handle editorial work.

2013-02-13 Rex Jaeschke:

I see that the best solution to this is for me to use the non-PDF/A option when generating the PDF of the next edition of Part 1 (that is, the consolidated reprint). I don't see anything of value we could put in the next COR for Part 1 other than a note to the editor to "Fix this when using tools to generating the PDF of the next edition of Part 1."

So, I propose that we mark this as "Closed; COR3" with such a note in the DR log.

2013-02-13 Makoto Murata:

>>Part 1, §L.2.6.3, "File Architecture", p. 4658 — The lower-right ellipse contains text '(DrawingML)' that is more than half hidden. [Rex: This problem occurs in both the 2012 edition DOCX source and PDF and in earlier edition PDFs.]

So, we thought that not using PDF/A does not solve all problems mentioned in the DR Log. Please enlighten us if this is not the case.

2013-02-21 Rex Jaeschke:

Murata-san, you are correct; the DR as it exists does contain some problems that will not be fixed by a change in tool usage.

When I processed this DR initially, I decided to split it into two DRs, this one with tool problems, and DR 12-0025, for picture-related problems that needed editor attention. Unfortunately, I did not move all the latter issues into DR 12-0025. As such, I just moved the following 6 issues from DR 12-0024 to DR 12-0025:

Part 1, §17.7.2, "Style Hierarchy", p. 609
Part 1, §17.7.3, "Toggle Properties", p. 611
Part 1, §L.1.5.8, "Complex Table Example", p. 4543

Part 1, §L.2.6.3, "File Architecture", p. 4658

Part 1, §L.4.7.4.1, "Scaling and Translating a Group", p. 4845

Part 1, §L.4.11.2, "Text Wrapping", pp. 4888–4889

Now, on the next teleconference, I think we can move this DR to "Closed; COR3".

2013-07-28 Rex Jaeschke:

As I wrote on 2013-02-13: I see that the best solution to this is for me to use the non-PDF/A option when generating the PDF of the next edition of Part 1 (that is, the consolidated reprint). I don't see anything of value we could put in the next COR for Part 1 other than a note to the editor to "Fix this when using tools to generating the PDF of the next edition of Part 1."

So, I propose that we mark this as "Closed; COR3" with such a note in the DR log.

Changes to Part 1: Y **Part 2: N Part 3: N Part 4: N**