DR 18-0013 — Electronic Insert Errors: DrawingMLGeometries

Status: Open

Subject: Electronic Insert Errors: DrawingMLGeometries

Qualifier: Technical defect

Submitter: Alfred Hellstern Organization: Microsoft

Contact Information: <Alfred.Hellstern@microsoft.com>

Submitter’s Defect Number: None

Supporting Document(s): None

Date Circulated by Secretariat: 2018-11-07

Deadline for Response from Editor: 2019-01-07

IS 29500 Reference(s): 29500:2016, Part 1 Electronic Inserts

Related DR(s): None

Nature of the Defect:

Errors in the definition of circularArrow, wedgeRectCallout, wedgeRoundRectCallout, and wedgeEllipseCallout in OfficeOpenXML-DrawingMLGeometries\presetShapeDefinitions.xml (see below).

Solution Proposed by the Submitter:

**Part 1: OfficeOpenXML-DrawingMLGeometries\presetShapeDefinitions.xml:**

<circularArrow>

<avLst xmlns="http://schemas.openxmlformats.org/drawingml/2006/main">

…

</avLst>

<gdLst xmlns="http://schemas.openxmlformats.org/drawingml/2006/main">

<gd name="a5" fmla="pin ~~0~~2 adj5 25000" />

<gd name="maxAdj1" fmla="\*/ a5 2 1" />

…

**Part 1: OfficeOpenXML-DrawingMLGeometries\presetShapeDefinitions.xml:**

<wedgeRectCallout>

<avLst ~~xmlns="http://schemas.openxmlformats.org/drawingml/2006/main"~~>

…

</avLst>

<gdLst ~~xmlns="http://schemas.openxmlformats.org/drawingml/2006/main"~~>

…

<gd name="t1" fmla="?: dxPos l xPos" />

<gd name="xlprep" fmla="?: dz l t1"/>

<gd name="xlcomp" fmla="+- xlprep 0 l"/>

~~<gd name="xl" fmla="?: dz l t1" />~~

<gd name="xl" fmla="?: xlcomp l xlprep"/>

…

<gd name="xrprep" fmla="?: dz r t3"/>

<gd name="xrcomp" fmla="+- xrprep 0 r"/>

~~<gd name="xr" fmla="?: dz r t3" />~~

<gd name="xr" fmla="?: xrcomp xrprep r"/>

…

<gd name="ytprep" fmla="?: dz t6 t"/>

<gd name="ytcomp" fmla="+- ytprep 0 t"/>

~~<gd name="yt" fmla="?: dz t6 t" />~~

<gd name="yt" fmla="?: ytcomp t ytprep"/>

…

<gd name="ybprep" fmla="?: dz t8 b"/>

<gd name="ybcomp" fmla="+- ybprep 0 b"/>

~~<gd name="yb" fmla="?: dz t8 b" />~~

<gd name="yb" fmla="?: ybcomp ybprep b"/>

</gdLst>

<ahLst ~~xmlns="http://schemas.openxmlformats.org/drawingml/2006/main"~~>

…

</ahLst>

<cxnLst ~~xmlns="http://schemas.openxmlformats.org/drawingml/2006/main"~~>

…

</cxnLst>

<rect l="l" t="t" r="r" b="b" ~~xmlns="http://schemas.openxmlformats.org/drawingml/2006/main"~~ />

<pathLst ~~xmlns="http://schemas.openxmlformats.org/drawingml/2006/main"~~>

…

</pathLst>

</wedgeRectCallout>

**Part 1: OfficeOpenXML-DrawingMLGeometries\presetShapeDefinitions.xml:**

<wedgeRoundRectCallout>

…

<gdLst xmlns="http://schemas.openxmlformats.org/drawingml/2006/main">

…

<gd name="t1" fmla="?: dxPos l xPos" />

<gd name="xlprep" fmla="?: dz l t1"/>

<gd name="xlcomp" fmla="+- xlprep 0 l"/>

~~<gd name="xl" fmla="?: dz l t1" />~~

<gd name="xl" fmla="?: xlcomp l xlprep"/>

…

<gd name="t3" fmla="?: dxPos xPos r" />

<gd name="xrprep" fmla="?: dz r t3"/>

<gd name="xrcomp" fmla="+- xrprep 0 r"/>

~~<gd name="xr" fmla="?: dz r t3" />~~

<gd name="xr" fmla="?: xrcomp xrprep r"/>

…

<gd name="t6" fmla="?: dyPos t yPos" />

<gd name="ytprep" fmla="?: dz t6 t"/>

<gd name="ytcomp" fmla="+- ytprep 0 t"/>

~~<gd name="yt" fmla="?: dz t6 t" />~~

<gd name="yt" fmla="?: ytcomp t ytprep"/>

…

<gd name="t8" fmla="?: dyPos yPos b" />

<gd name="ybprep" fmla="?: dz t8 b"/>

<gd name="ybcomp" fmla="+- ybprep 0 b"/>

~~<gd name="yb" fmla="?: dz t8 b" />~~

<gd name="yb" fmla="?: ybcomp ybprep b"/>

…

</wedgeRoundRectCallout>

**Part 1: OfficeOpenXML-DrawingMLGeometries\presetShapeDefinitions.xml:**

<wedgeEllipseCallout>

…

<gdLst xmlns="http://schemas.openxmlformats.org/drawingml/2006/main">

…

<gd name="y1" fmla="+- vc dy1 0" />

<gd name="dxEdge" fmla="cos wd2 pang"/>

<gd name="dyEdge" fmla="sin hd2 pang"/>

<gd name="xEdge" fmla="+- hc dxEdge 0"/>

<gd name="yEdge" fmla="+- vc dyEdge 0"/>

<gd name="posMag" fmla="mod dxPos dyPos 0"/>

<gd name="edgeMag" fmla="mod dxEdge dyEdge 0"/>

<gd name="ahInside" fmla="+- edgeMag 0 posMag"/>

<gd name="xTip" fmla="?: ahInside xEdge xPos"/>

<gd name="yTip" fmla="?: ahInside yEdge yPos"/>

…

</gdLst>

…

<cxnLst xmlns="http://schemas.openxmlformats.org/drawingml/2006/main">

~~<cxn ang="3cd4">~~

~~<pos x="hc" y="t" />~~

~~</cxn>~~

~~<cxn ang="3cd4">~~

~~<pos x="il" y="it" />~~

~~</cxn>~~

~~<cxn ang="cd4">~~

~~<pos x="il" y="ib" />~~

~~</cxn>~~

~~<cxn ang="cd4">~~

~~<pos x="hc" y="b" />~~

~~</cxn>~~

~~<cxn ang="cd4">~~

~~<pos x="ir" y="ib" />~~

~~</cxn>~~

~~<cxn ang="0">~~

~~<pos x="r" y="vc" />~~

~~</cxn>~~

~~<cxn ang="3cd4">~~

~~<pos x="ir" y="it" />~~

~~</cxn>~~

~~<cxn ang="pang">~~

~~<pos x="xPos" y="yPos" />~~

~~</cxn>~~

<cxn ang="0"><pos x="r" y="vc"/></cxn>

<cxn ang="cd4"><pos x="hc" y="b"/></cxn>

<cxn ang="pang"><pos x="xTip" y="yTip"/></cxn>

<cxn ang="cd2"><pos x="l" y="vc"/></cxn>

<cxn ang="3cd4"><pos x="hc" y="t"/></cxn>

</cxnLst>

<rect l="il" t="it" r="ir" b="ib" ~~xmlns="http://schemas.openxmlformats.org/drawingml/2006/main"~~ />

<pathLst xmlns="http://schemas.openxmlformats.org/drawingml/2006/main">

<path>

~~<moveTo>~~

~~<pt x="xPos" y="yPos" />~~

~~</moveTo>~~

<moveTo><pt x="xTip" y="yTip"/></moveTo>

<lnTo>

<pt x="x1" y="y1" />

</lnTo>

<arcTo wR="wd2" hR="hd2" stAng="stAng1" swAng="swAng" />

<close />

</path>

</pathLst>

</wedgeEllipseCallout>

Schema Change(s) Needed:

No

**Editor’s Response:**

None

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