DR 18-0013 — Electronic Insert Errors: DrawingMLGeometries

Status: Open

Subject: Electronic Insert Errors: DrawingMLGeometries

Qualifier: Technical defect

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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