

I-deas Spec

1. ENTITY Mapping

| ENF Entity | ENF Editor Class | CAD Entity |
|-------------------|------------------|-----------------|
| Component | EEComponent | Assembly |
| | | Part |
| Volume (Closed) | EEBrepVolume | Region |
| Volume (Open) | | - |
| Shell | EEBrepShell | Shell |
| Face | EEBrepFace | Surface |
| Surface | EEBrepSurface | - |
| Loop | EEBrepLoop | - |
| Edge | EEBrepEdge | Edge |
| Curve | EEBrepCurve | Curve |
| Vertex | EEBrepVertex | Vertex |
| Face (Isolated) | EEBrepFace | Surface |
| Edge (Isolated) | EEBrepEdge | Wireframe Curve |
| Vertex (Isolated) | EEBrepVertex | Wireframe Point |

Table.1 Entity Mapping between ENF and CAD

Note !

I-deas has Surface and Loop in internal, but these are not displayed in user interface.
In stead of them, the control point can be displayed.

CAD to ENF Spec Need SupportWFPoint=1 to convert Wireframe Point.

ENF to CAD Spec Open volumes are lumped all together and converted into a Part.
(The entity "Open volume" is not converted.)