

# 3DEXPERIENCE Spec

## 1. ENTITY Mapping

ENF Entity	ENF Editor Class	CAD Entity
Component	EEComponent	3DPart
		Product
Volume	EEBrepVolume	SolidFeature
Volume (Open)		SurfaceFeature
Shell	EEBrepShell	Shell
Face	EEBrepFace	Face
Surface	EEBrepSurface	Surface
Loop	EEBrepLoop	Loop
Edge	EEBrepEdge	Edge
Curve	EEBrepCurve	Curve
Vertex	EEBrepVertex	Vertex
Face(Isolated)	EEBrepFace	-
Edge(Isolated)	EEBrepEdge	Wire (curve)
Vertex(Isolated)	EEBrepVertex	Point

Table.1 Entity Mapping between ENF and CAD

ENF to CAD Spec      Isolated Face in ENF is not converted to 3DEXPERIENCE.  
However, isolated face is converted to volume by dek healing  
process to convert to 3DEXPERIENCE as SurfaceFeature.