

# CATIAV4 Spec

## 1. ENTITY Mapping

ENF Entity	ENF Editor Class	CAD Entity
Component	EEComponent	Detail Work Space
Volume(Closed)	EEBrepVolume	Solid
Volume(Closed)		Volume
Volume(Open)		Skin
Shell	EEBrepShell	-
Face	EEBrepFace	Face
Surface	EEBrepSurface	Surface
Loop	EEBrepLoop	-
Edge	EEBrepEdge	Edge
Curve	EEBrepCurve	Curve
Vertex	EEBrepVertex	-
Face(Isolated)	EEBrepFace	Face
Edge(Isolated)	EEBrepEdge	Curve
Vertex(Isolated)	EEBrepVertex	Point

Table.1 Entity Mapping between ENF and CAD

ENF to CAD Spec    Solid, Volume and Skin is not created in case of open volume.  
Volume is created in case of closed volume.  
In addition, Solid is created when SolidFlag parameter is set.