

CATIA V5 Spec

1. ENTITY Mapping

ENF Entity	ENF Editor Class	CAD Entity
Component	EEComponent	CATPart
		CATProduct
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 CAA. However, isolated face is converted to volume by dek healing process to convert to CAA as SurfaceFeature.