

NX Spec

1. ENTITY Mapping

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

Table.1 Entity Mapping between ENF and CAD

CAD to ENF Spec Though NX does not have vertex, vertex is created by ASFALIS translator.

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