



3D_Evolution 2011 SP1 Interfaces List

Last update: July 18, 2011

- : Available
 : Development in progress
 : Not developed

Interface	Extension	Reading						Writing					
		Version	Facet Triangle	BRep	Feature	Assembly	PMI	Version	Facet Triangle	BRep	Feature	Assembly	PMI
Standard													
IGES	.igs	5.2						5.2					
	.iges	5.3						5.3					
Nastran	.nas	-						-					
STEP	.stp .step	AP203 & AP214						AP203 & AP214					
STL	.stl	-						-					
VDA	.vda	FS 2.0						-					
VRML	.wrl .vrml	97 97Zip						97 97Zip					
XML Teamcenter	.xml	-						-					
XML Tecnomatix	.xml	-						-					

Interface	Extension	Reading						Writing					
		Version	Facet Triangle	BRep	Feature	Assembly	PMI	Version	Facet Triangle	BRep	Feature	Assembly	PMI
Native													
Acis	.sat	All → R19		✓		✓		All → R19		✓		✓	
CADD5 CAMU	_pd _ps	4 & 5	✗	✓	✗	✓	✗	4 & 5	✗	✓	✗	✗	✗
Catia V4	.model .dlv .exp .session	All 4.x	✓	✓	✓	✓		All 4.x	✓	✓	✗	✓	
Catia V5	.CATPart .CATProduct .cgr	R10 → R20	✓	✓	✓	✓	✓	R7 → R20	✓	⚠ R18	✗	⚠ R18	✗
Euclid	.e3i	All 3.x	✓	✓	✗	✓		-	✗	✗	✗	✗	
Straessle Euklid	.edx	-	✓	✓				-	✓	✓			
Ideas	.arc .unv	All → NX5	✓	✓	✓	✓	✗	-	✗	✗	✗	✗	✗
Inventor	.ipt .iam	2009	✗	✓	✗	✓	✗	-	✗	✗	✗	✗	✗
JtOpen	.jt	All → 9.5	✓	✓		✓	✗	8.1	✓	✗		✓	✗
Medusa 3D	.asc	-	✓	✗				-	✗	✗			
Pro/Engineer	.prt .xpr .asm .xas	13 → WF5	✓	✓	✓	✓	✗	-	✗	⚠	✗	⚠	✗
Pro/Engineer neutral	.neu	13 → WF5	✓	✓	✗	✓	✗	13 → WF5	✓	✓	✗	✓	✗
Robcad	.rf	-	✓	✓		✓		-	✓	✓		✓	
Siemens Unigraphics	.prt	11.1 → NX7.5	✓	✓	✓	✓	✓	NX4 → NX6	✗	⚠	✗	⚠	✗

Interface	Extension	Reading						Writing					
		Version	Facet Triangle	BRep	Feature	Assembly	PMI	Version	Facet Triangle	BRep	Feature	Assembly	PMI
SolidWorks	.sldprt .prt .sldasm .asm	All → 2010						-					
Visi	.wkf	-						-					
Xt	.x_t .xmt_txt .x_b	All → 22						All → 22					

Interface	Extension	Reading						Writing					
		Version	Facet Triangle	BRep	Feature	Assembly	PMI	Version	Facet Triangle	BRep	Feature	Assembly	PMI
Native by dll													
Acis with InterOp	.sat	-		✓		✓		-		✓		✓	
Adobe PDF 3D	.pdf	-	✗	✗		✗	✗	2.0.4	✓	✗		✓	✗
Autocad	.dwg	-	✓	✓		✓		-	✗	✗		✗	
Catia V5 with InterOp	.CATPart .CATProduct .cgr	-	✗	✗		✗		-	✗	✓		✓	
Holos	.mod	-		✗				-		✓			
JT with JTOpen	.jt	-	✓	✓		✓		-	✓	✓		✓	
OpenNurbs Rhino	.3dm	-	✗	✗				3	✗	✓			

Interface	Extension	Reading						Writing					
		Version	Facet Triangle	BRep	Feature	Assembly	PMI	Version	Facet Triangle	BRep	Feature	Assembly	PMI
Using a plug-in													
Catia V5	.CATPart .CATProduct .cgr							R17 → R20					
Ideas	.pkg .mf1	10 → NX5						10 → NX5					
Inventor	.ipt .iam							2009 2011					
Pro/Engineer	.prt .xpr .asm .xas							WF2 → WF5					
Siemens Unigraphics	.prt .asm							NX4 → NX7.5					
SolidWorks	.sldprt .prt .sldasm .asm							2007 → 2011					