## SpaceClaim 2019 R1 and SCDM 2019 R1 Supported Import & Export Operations

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	ACIS (SAT, SAB, ASAT, ASAB )	R1 - 2018 1.0	Open and insert parts and assemblies	√		DX.II	Cutta V3	л орен		JCDM √
	Acrobat (PDF)	Geometry(PRC B-Rep, Facets)	Open and insert parts and assemblies <sup>2,15,26</sup>						٧	
	AMF	V1.0 (Facets)	Open and insert parts and assemblies	٧						٧
	ANSYS Electronics Database (DEF)		Open and insert parts and assemblies	٧						٧
	AutoCAD (DWG, DXF)	R12 to 14, 2000, 2004, 2007, 2010, 2013, 2016, 2018	Open and insert modelspace entities* and layout space entities (including Solids)**	٧						٧
	CATIA (MODEL, EXP	V4 4.1.9 to 4.2.4	Open and insert parts and assemblies		٧					
	CATPart, CATProduct, CGR)	V5 R8 to R25, V5-6R2018	Open and insert parts and assemblies 47,9,12,19,24				V			
	CATIA V6 (3DXML)	R2010x - R2017x <sup>24</sup>	Open and insert parts and assemblies							
	Creo Elements/Direct Modeling (CoCreate) (PKG)	18.1 & 19 <sup>26</sup> Creo 5.0	Open and insert parts and assemblies							٧
	DesignModeler (AGDB)	Up to 16								٧
			Open and insert parts and assemblies 5,27 Open IDE and PADS files							
	ECAD (IDF, IDB, EMN)	IDF 3.0 and IDF 4.0	Open IDF and PADS files	٧						√ √
	ECAD - Other ODB++ (TGZ)		Open and insert parts and assemblies	٧						V
	EDB (DEF)		Open and insert parts and assemblies	V						V
	IPC2581 (XML, CVG)		Open and insert parts and assemblies	٧						V
	GDSII (GDS, SF, STRM)		Open and insert parts and assemblies	٧						V
	Fluent Mesh (MSH, TGZ)		Open and insert parts and assemblies	٧						v
	ICEM CFD (TIN)		Open and insert parts and assemblies	V						v
	IGES (IGS. IGES)	Up to v5.3	Open and insert parts and assemblies 16	v						·
Import	( )	V6 to V2019	Open and insert parts and assemblies		v					,
	Inventor (IPT, IAM)	V11 to V2019	Open and insert parts and assemblies		- V					v
	JT Open (JT)	V6.4, 7.0, 8.0, 8.1, 8.2, 9.0 to 10.2	Open and insert parts and assemblies 67,8,9,30,34					V		,
	NX (PRT)	NX1 to NX12 <sup>4,29</sup> & UG v11 to 18	Open and insert parts and assemblies			J		v		v
	OpenVDB	NAT 10 NATZ & 03 VIT 10 18	apart and a same and a same a	v						·
	Parasolid (X_T, X_B, XMT_TXT, XMT_BIN)	V10.0 to V30	Open and insert parts and assemblies	_		٧				v
		V1.0				-				v
	PLY (PLY)	Pro/E 16 to Wildfire 5 (Creo 1.0 to Creo 5.0)	Open and insert parts Open and insert parts and assemblies 6,81	٧	v					V
	Creo Parametric (PRT, ASM, XPR, XAS) QJF (-QJF)	V2.0	Open and insert parts and assemblies <sup>29</sup>	N.	v					V
	Rhino (3DM)	V4.0, V5.0 <sup>20</sup> , V6.0	Open and insert parts and assemblies	V						V
	RS Components	V2015.0 SP0 <sup>22</sup>	Open and insert parts and assemblies	٧						v
	SketchUp	Up to SketchUp 8, V2013, V2014, V2018	Open and insert parts and assemblies	٧						v
	SolidEdge (PAR,PSM,ASM)	V18 = ST10	Open and insert parts and assemblies	V		V				V
	SOLIDWORKS (SLDPRT, SLDASM)	SW 98 to SW 2018	Open and insert parts and assemblies							V
	STEP (STP. STEP)	AP203. AP214. AP242 (geometry)	Open and insert parts and assemblies 22,22	٧		- *				V
	STL	Facets or solids	Open and insert parts and assemblies	V						, ,
	VDA-FS (VDA)	1.0 & 2.0	Open and insert parts	_	٧					Ý
	Wavefront (OBJ)	Facets	Open and insert parts and assemblies	v						,
	VRML (WRL)	Facets	Open and insert parts and assemblies	V						·
	Image (BMP, JPG, PCX, PNG, TIF, GIF)	19000	Insert images	v						·
	Video (wmv. avi. flv. mkv. mov. mp4. mpg.									
	mpeg, ogm, vob)		Insert video <sup>11</sup>	٧						٧
	ACIS (SAT, SAB)	V6, 7, 15-28 (V27 default)	Export parts and assemblies <sup>5</sup>	٧						٧
	Acrobat (PDF 3D)	Facets	Export parts and assemblies <sup>2</sup>	٧						٧
	Acrobat (PDF 3D)	Geometry(PRC B-Rep, Facets)	Export parts and assemblies <sup>2,24</sup>						٧	
	Acrobat (PDF 2D)		Print to or save drawings	٧						√
	AMF	V1.0	Export parts and assemblies	٧						√
	ANF									√
	AutoCAD (DWG, DXF)	R12 to 14, 2000, 2004, 2007, 2010, 2013, 2018	Export as 2D snapshot and AutoCAD Solids <sup>18</sup>	٧						٧
	CATIA V5/V6 (CATPart, CATProduct)	R15 to V5-6R2018 (R25 default)	Export parts and assemblies 12,21,24				V			
	EXCEL (XLS, XLSX) <sup>13,25</sup>	MS Office 2003, 2007, 2013		٧						√
	Fluent Mesh (MSH, TGZ)		Export parts and assemblies	٧						√
	FM Database (fmd)		Export parts and assemblies	√						√
	GLTB (glb)		Export parts and assemblies	٧						٧
	IGES (IGS, IGES)	v5.3, JAMA-IS, Types: 186,144,143	Export parts and assemblies	٧						√
	JT Open (JT)	V6.4, 7.0, 8.0, 8.1, 8.2, 9.0 to 10.2	Export parts and assemblies 47,8,9,30,34					٧		
	KeyShot (BIP)		Export parts and assemblies	٧						√
	OpenVDB			٧						√
	Parasolid (X_T, X_B)	V12 to V30 (V27 default)	Export parts and assemblies			٧				√
	PLY (PLY)	V1.0	Export and insert parts	٧						٧
	POV-Ray	3.6	Export parts and assemblies <sup>17</sup>	V						√
	PowerPoint (PPT)	MS Office 2003, 2007, 2013	Export 3D markup slides <sup>13</sup>	V						٧
	QIF (.qif)	V2.0	Export parts and assemblies <sup>29</sup>	V						√
	Rhino (3DM)	V4.0, V5.0 <sup>20, VE.0</sup>	Export parts and assemblies	٧						√
	SketchUp	SketchUp V3.0 to V8.0, V2013 - V2018		v						V
			Export parts and assemblies							
	STEP (STP, STEP)	AP203, AP214, AP242 (geometry)	Export parts and assemblies	٧						٧
	STL		Export parts and assemblies <sup>16</sup>	V						٧
	VDA-FS (VDA)	2.0	Export parts		٧					√
	VRML (WRL)	1	Triangles <sup>30</sup>	٧						√
	Wavefront (OBJ)		Triangles <sup>30</sup>	٧						٧
	XAML		Export part and assembly solids only	٧						√
	XPS		Export 3D markup slides	٧						√
	Image (GIF, JPG, PNG, BMP, TIF)		Export as 2D snapshot	٧						√
supported or	Windows 7 64-bit OS, Windows 8.x 64-bit OS, Win	dows 10 64-bit OS								

\*SpaceClaim Home Edition is issued her of charge with SpaceClaim Engineer and is watermarked with \*Restricted Geomet. Home Use Only
\*Res Acides Archited required for BRIF Operation of expect I, 20 of and 64-bit platform is supposed.
\*All Collections are investing the Market Orange, but well will consider the State Claim and the Acides A

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SpaceClaim meets the USAF and DOD certification requirements for verifying open source content in software; OpenSSI, SysSSI, and Xerces