

Version	1						
Last Updated	27/05/2020						
Comments	Updated to match VE 9.0 FP11 release						
				Basic support by Product		Capabilities, Known restriction and comments by Processing Workflow	
Category	File Format	Type	Extension(s)	VE Author 9.0	Import	Export	
				Version support	Known restrictions and comments		
<b>Primary CAD Formats</b>	Design Web Format (Autodesk)	3D/2D	DWF	0.36 up to 7.7	Yes	Yes	No known limitations
	AutoCAD Drawing Interchange	3D /2D	DXF	R11/ R12 up to R32 (2014- 2020)	Yes	Yes	For import and export limitations, see the attached document: AutoCAD DWG Drawing Publishing Limitations_FP11.pdf. 1. Semantic PMI not supported - Text is imported as geometry 2. Parametric object import is limited to the following types: circles, circular arcs, ellipses, elliptical arcs, text. 3. Per-face normals 4. Per-face transparency Note: This is also a 2D file format
	AutoCAD Drawing Object	3D /2D	DWG, DXF	R11/ R12 up to R32 (2014- 2020)	Yes	Yes	For import and export limitations, see the attached document: AutoCAD DWG Drawing Publishing Limitations_FP11.pdf Note: This is also a 2D file format
	AutoCAD Sheet Set File	3D /2D	DST	Versions 7 and earlier	Yes	No	For import and export limitations, see the attached document: AutoCAD DWG Drawing Publishing Limitations_FP11.pdf Note: This is also a 2D file format
	ACIS Assembly and Part	3D	SAT, SAB	Versions 14 up to 21	Yes	No	1. 2D vector data not supported 2. Animations not supported 3. Textures not supported
	CATIA V4	3D	DLV, MODEL, SESSION, EXP	Up to 4.24	Yes	No	1. If a model is made up of surfaces, results sometimes have wrong normals, and holes in the joint of patches 2. Animation created in CATIA is not present in the Visual Enterprise file 3. Textures assigned in CATIA are not present in the Visual Enterprise file 4. SOLID MOCKUP entities from CATIA V4 are imported as tessellated geometry. Tessellation may look coarse, and will not change with tessellation control parameters.
	CATIA V5	3D	CATPART, CATPRODUCT, CATSHAPE	Up to V5 R30	Yes	No	1. No Kinematics support 2. No texture support 3. PMI to PMI highlighting not supported 4. CATIAS piping not supported 5. No electric features and reservations support 6. UV Coordinates from Mesh not supported 7. Metadata in VE Scene Tree sorts in alphabetical order so original order is not preserved 8. Initial view is not respected when loaded in VE  <b>Note: Extended Workbench features:</b> Not all Extended Workbench features are supported. Contact the VE CAD Product Owner if you are using Extended Workbench features.
	CATIA V6 (3DXML)	3D	3dxml	Up to V5-6R2016, R2018x Support CATIA V6 / 3DEXperience, 2020, 2021	Yes	No	1. PMI - GDT /FDI/ Mark-up import , Model views / Captures (with section geometry) not supported 2. Drawing (2D) representation not supported 3. Construction Geometry import (2D wireframes ,POINTS , Axis , Infinite Planes) not supported 4. Exact Geometry / NURBS /Solids Object and no Tessellation controls 5. Textures and UV coordinates not supported 6. Animation/ Kinematics not supported 7. No support for Representation from CATIA V5, Workspaces from CATIA V 4 and Configuration from SolidWorks
	CATIA Graphical Representation	3D	CGR	R14 up to R2019x (R29)	Yes	No	1. Animations not supported 2. Normals not supported 3. Textures not supported 4. UV Coordinates from Mesh not supported

				Basic support by Product			Capabilities, Known restriction and comments by Processing Workflow
Category	File Format	Type	Extension(s)	VE Author 9.0		VE Author	
				Version support	Import		Export
	Creo Parametric (Pro/ENGINEER) Assembly	3D	ASM, XAS	2001 - Creo Parametric 7.0	Yes	No	1. Animations not supported. 2. No assembly level features or family tables support. 3. No texture support 4. Animations not supported 5. To represent text and symbols for FD&T and GD&T, Visual Enterprise software uses its own RHGDT font or Roboto font for monospace fonts or Roboto font for monospace fonts so Text and Symbols may display a different size and shape. 6. No support for connection points type
	Creo Parametric (Pro/ENGINEER) Part	3D	PRT, XPR	2001 - Creo Parametric 7.0	Yes	No	1. Animations not supported. 2. No assembly level features or family tables support. 3. No texture support 4. Animations not supported 5. To represent text and symbols for FD&T and GD&T, Visual Enterprise software uses its own RHGDT font or Roboto font for monospace fonts so Text and Symbols may display a different size and shape. 6. No support for connection points type
	Creo Parametric (Pro/ENGINEER) Neutral Assembly and Part	3D	NEU	2001 - Creo Parametric 7.0	Yes	No	1. Animations not supported. 2. No assembly level features or family tables support. 3. No texture support 4. Animations not supported 5. To represent text and symbols for FD&T and GD&T, Visual Enterprise software uses its own RHGDT font or Roboto font for monospace fonts so Text and Symbols may display a different size and shape. 6. No support for connection points type
	Creo View	3D	PVZ, PS, OL	Creo 7.0	Yes	No	1. Animations not supported. 2. No assembly level features or family tables support. 3. No texture support 4. Animations not supported 5. To represent text and symbols for FD&T and GD&T, Visual Enterprise software uses its own RHGDT font or Roboto font for monospace fonts so Text and Symbols may display a different size and shape. 6. No support for connection points type
	IGES	3D	IGES, IGS	Up to 5.2	Yes	No	No texture support
	Industry Foundation Classes (IFC) Format	3D	IFC, IFCXML	IFC 2x3, IFC 2x4 and IFC4 IFCZIP support	Yes	No	1. Scene tree hierarchy does not group similar entities 2. Only geometrical representations are imported. No project, process, and operation-related information is imported. 3. GlobalID from each IFC entity has been used as persistent identifier. Non unique global ids will be replaced with new one and will be reported as warning. 4. Initial view may not be respected when loaded in Visual Enterprise scene. 5. Old IFC format 2x2 is not supported 6. Colors defined for entities as part of layers are not supported.
	Inventor	3D	IAM, IPT	V10 to V2021 Two loading methods: Solids and Quick view. Quick view requires free Inventor viewer installed on machine.	Yes	No	<b>Valid for both Solids and Quick View modes:</b> 1. Where an assembly has sub folders and files with the same name across different sub folders, conversion fails. 2. Positional Representations not supported 3. Not all assembly level features are supported 4. Flexible Assemblies not supported 5. No texture support 6. Animations not supported 7. Configurations not supported 8. Wireframes are not supported. 9. Initial view does not match with native software. 10. No Support of Persistence Identifier and CAD Identifiers 11. Initial view is not respected when loaded in Visual Enterprise scene. <b>Valid for Quick View</b> 1. Surface Bodies not supported 2. Face color not supported. Part color is applied to all faces.
	JT	3D	JT	6.4 up to 10.6	Yes	Yes	1. Import LIBRA entity not supported 2. Animations not supported 3. Import and export of 2D drawings is not supported 4. JT exporter does not retain the initial view from source 5. PMI to PMI highlighting and PMI to face highlighting is not supported. 6. Texture not supported 7. Semantic information for PMI are not available if only graphical information are stored in the file 8. Export/Import of Object pivot points are not supported 9. Reference Sets and Layers import and export are not supported <b>Note:</b> To export multiple levels of details and XTBREP with referenced JT files, source data must contain solids
	MicroStation CAD Graphic	3D	DGN	95, SE, J, 7, and 8, V8i	Yes	No	1. Animations not supported 2. Configurations not supported 3. iModel Entities not supported 4. Object Transparency not supported 5. Solids not supported 6. Textures not supported 7. UV Coordinates not supported
	NX Assembly and Part	3D	PRT	V15 to NX8.5, NX9.0, NX10, NX11, NX12 NX 1872 Support (up to 1892) NX 1899 Support (up to 1915) 1934 Support (up to 1936) NX 1953 series	Yes	No	For import limitations, see the attached document: NX Limitations_VE9_FP11.pdf
	Parasolid	3D	X_B, X_T	V8 up to V24	Yes	No	1. 2D entities not supported 2. Animations not supported 3. Configurations not supported 4. Textures not supported

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Category	File Format	Type	Extension(s)	VE Author 9.0	Import	Export	VE Author
				Version support			Known restrictions and comments
	PLMXML (SMARAGO schema)	3D	PLMXML	6.0.0	Yes	Yes	<ul style="list-style-type: none"> <li>1. Only schema version 6.0 is supported.</li> <li>2. Material (diffuse, opacity etc.) applied from assembly to parts are not supported.</li> <li>3. Only PLMXML referencing JT is supported. Refer to JT limitations</li> <li>4. Exported PLMXML file will not respect initial view of the source scene.</li> <li>5. Material (diffuse, opacity etc.) applied from assembly to parts not supported.</li> </ul>
	Solid Edge Assembly	3D	ASM	10 - 20, up to ST10, 2020, 2021	Yes	No	<ul style="list-style-type: none"> <li>1. Animations not supported</li> <li>2. No assembly-level feature support (assembly level color excepted)</li> <li>3. Layers not supported</li> <li>4. PMI not supported</li> <li>5. Textures not supported</li> <li>6. Initial view does not match with native software</li> <li>7. Alternate Assembly not supported</li> </ul>
	Solid Edge Part	3D	PAR, PWD, PSM	10 - 20, up to ST10, 2020, 2021	Yes	No	<ul style="list-style-type: none"> <li>1. Animations not supported</li> <li>2. Configurations not supported</li> <li>3. PMI not supported</li> <li>4. Textures not supported</li> <li>5. Initial view does not match with native software.</li> <li>6. No section view information</li> <li>7 Metadata in Visual Enterprise scene tree sorts in alphabetical order so original order is not preserved.</li> </ul>
	SolidWorks Assembly	3D	SLDASM, ASM	97-2021	Yes	No	For import notes, see the attached document: SolidWorks Limitations_VE9_FP11.pdf
	SolidWorks Part	3D	SLDPRT, PRT	97-2021	Yes	No	For import notes, see the attached document: SolidWorks Limitations_VE9_FP11.pdf
	STEP	3D	STEP, STP, STEPZ	AP203 E2 and AP214, AP242 (tessellated solid, shell, face, complex face, surface set, edge)	Yes	Yes	<ul style="list-style-type: none"> <li>1. Mesh export supported, but not quads</li> <li>2. Normal or smoothing groups not saved</li> <li>3. Animations not supported</li> <li>4. Textures not supported</li> </ul> <b>Export</b> <ul style="list-style-type: none"> <li>1. NURBS export not supported</li> <li>2. View and construction geometry export is not supported</li> <li>3. Points not exported</li> </ul>
<b>CAD Drawings</b>	CATIA V4 and V5 Drawings	2D CAD Drawing	MODEL, CATDRAWING	Up to V5 R29	Yes	No	<ul style="list-style-type: none"> <li>1. Not all embedded OLE objects other than bitmaps are imported. Last saved only from cached geometry.</li> <li>2. Semantic PMI information is not supported</li> <li>3. PMI to PMI highlighting not supported</li> <li>4. To represent text and symbols for FD&amp;T and GD&amp;T, Visual Enterprise software uses its own RHGDT font or Roboto font for monospace fonts so Text and Symbols may display a different size and shape.</li> </ul>
	Creo Parametric (Pro/ENGINEER) Drawing	2D CAD Drawing	DRW	2001 to Creo Parametric 7.0	Yes	No	<ul style="list-style-type: none"> <li>1. Functional support is limited</li> <li>2. Requires the presence of all referenced parts and assemblies to translate correctly</li> <li>3. Semantic information for PMI is limited</li> <li>4. Exploded views are not supported.</li> <li>5. Embedded bitmaps are not supported</li> </ul>
	NX Drawing	2D CAD Drawing	PRT	NX to NX12, NX 1872 Support (up to 1892)	Yes	No	<ul style="list-style-type: none"> <li>1. PMI leaderline line-style not supported.</li> <li>2. PMI text fonts are not supported; these are replaced with RHGDT.ttf</li> <li>3. Last saved only from cached geometry</li> <li>4. Semantic PMI information is not supported</li> <li>5. To represent text and symbols for FD&amp;T and GD&amp;T, Visual Enterprise software uses its own RHGDT font or Roboto font for monospace fonts so Text and Symbols may display a different size and shape</li> </ul>
	SolidWorks Drawing	2D CAD Drawing	SLDDRW	Versions 97-2021	Yes	No	<ul style="list-style-type: none"> <li>1. Imports cached tessellated geometry</li> <li>2. Semantic PMI information is not supported</li> <li>3. Shaded geometry in a drawing is loaded as wireframes</li> <li>4. Embedded bitmaps are not supported</li> </ul>
	Solid Edge Drawing	2D CAD Drawing	DFT	10 - 20, up to ST9, 2020, 2021 Quick View mode	No	No	Imports cached EMF drawing entities Semantic PMI information is not supported
	Inventor Drawing	2D CAD Drawing	IDW	Not supported	No	No	Not supported

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Category	File Format	Type	Extension(s)	VE Author 9.0	Import	Export	VE Author
				Version support	Import	Export	Known restrictions and comments
<b>2D File Formats</b>	Adobe Encapsulated PostScript	2D Vector (Drawing)	EPS	Not applicable	No	Yes	Files that are version 15 and above must have Adobe Illustrator installed to import and process the files. *Export using Vector Illustration. Standard 2D. No export options.
	Adobe Illustrator Vector Graphic	2D Vector (Drawing)	AI	Not applicable	Yes	Yes	Files that are version 15 and above must have Adobe Illustrator installed to import and process the files. *Export using Vector Illustration. Standard 2D. No export options.
	Adobe Photoshop Document	2D Raster (Image)	PSD	Not applicable	Yes	No	No known limitations
	Autodesk Animator Graphic	2D Raster (Image)	CEL	Not applicable	Yes	No	No known limitations
	Digital Imaging and Communications in Medicine Image	2D Raster (Image)	DCM	Not applicable	Yes	Yes	No known limitations
	DirectX DirectDraw Surface	2D Raster (Image)	DDS	Not applicable	Yes	No	No support for DirectX3D 10.x and 11 texture formats
	EA/Amiga Interchange File Format	2D Raster (Image)	IFF	Not applicable	Yes	No	No known limitations
	Enhanced Metafile	2D Vector (Drawing)	EMF	Not applicable	Yes	No	No known limitations
	Flexible Precision Buffer Map	2D Raster (Image)	FLX	Not applicable	Yes	No	Preview only
	FLIC Animator Animation (flc)	2D Raster (Image)	FLC	Not applicable	Yes	No	Preview only
	FLIC Animator Animation (fli)	2D Raster (Image)	FLI	Not applicable	Yes	No	Preview only
	Graphics Interchange Format	2D Raster (Image)	GIF	Not applicable	Yes	No	No known limitations
	JPEG 2000 J2K	2D Raster (Image)	J2K	Not applicable	Yes	No	No known limitations
	JPEG 2000 JP2	2D Raster (Image)	JP2	Not applicable	Yes	Yes	No known limitations
	JPEG 2000 JPC	2D Raster (Image)	JPC	Not applicable	Yes	Yes	No known limitations
	JPEG Image	2D Raster (Image)	JPEG, JPG	Not applicable	Yes	Yes	No known limitations
	JPEG 2000 JPX	2D Raster (Image)	JPX	Not applicable	Yes	No	No known limitations
	JEDMICS C4 Compressed Image	2D Vector (Drawing)	C4	Not applicable	Yes	No	No known limitations
	Maya Interchange File Format	2D Raster (Image)	IFF	Not applicable	Yes	Yes	Requires Maya to be installed
	OpenEXR Bitmap	2D Raster (Image)	EXR	Not applicable	Yes	Yes	No known limitations
	Portable Network Graphics	2D Raster (Image)	PNG	Not applicable	Yes	Yes	No known limitations
	Portable Pixelmap Graphic	2D Raster (Image)	PPM	Not applicable	Yes	Yes	No known limitations
	Publisher's Paintbrush Bitmap Graphic	2D Raster (Image)	PCK	Not applicable	Yes	No	No known limitations
	Radiance Picture	2D Raster (Image)	HDR	Not applicable	Yes	No	No known limitations
	Scalable Vector Graphic	2D Vector (Drawing)	SVG	Not applicable	Yes	Yes	Export is available from other 2D vector formats only. To convert 3D to 2D vector formats, use Vector Illustration.
	Silicon Graphics Image	2D Raster (Image)	RGB, RGBA, INT, INTA	Not applicable	Yes	No	No known limitations
	SOFTIMAGE Picture	2D Raster (Image)	PIC	Not applicable	Yes	No	No known limitations
	Tagged Image File Format	2D Raster (Image)	TIF, TIFF	Not applicable	Yes	Yes	With multipage support.
	TGA File	2D Raster (Image)	TGA	Not applicable	Yes	Yes	No known limitations
	Windows Bitmap Graphic	2D Raster (Image)	BMP, DIB	Not applicable	Yes	Yes	No known limitations No export options
	Windows Cursor File	2D Raster (Image)	CUR	Not applicable	Yes	No	No known limitations
	Windows Icon File	2D Raster (Image)	ICO	Not applicable	Yes	No	No known limitations
Windows Run Length Encoded Bitmap	2D Raster (Image)	RLE	Not applicable	Yes	No	No known limitations	
<b>3D File Formats</b>	Autodesk 3D Studio	3D Scene	3DS	Not applicable	Yes	Yes	No known limitations
	Autodesk 3D Studio ASCII	3D Scene	ASC	Not applicable	Yes	Yes	No known limitations
	Autodesk 3D Studio Max ASCII	3D Scene	ASE	Not applicable	Yes	No	No known limitations
	Autodesk 3D Studio Project	3D Scene	PRJ	Not applicable	Yes	No	No known limitations
	ADFF File Format	3D Scene	GEO	Not applicable	Yes	Yes	No known limitations. A .geo file contains information about how to load an image, and how to calibrate it so that the software can determine the lat/lon of each pixel.
	Caligari trueSpace Object	3D Scene	COB	trueSpace 2, trueSpace 3, and trueSpace 4.x.	Yes	Yes	No known limitations
	Caligari trueSpace Scene	3D Scene	SCN	trueSpace 2, trueSpace 3, and trueSpace 4.x.	Yes	No	No known limitations
	CINEMA 4D	3D Scene	C4D	Up to version 12.0	Yes	Yes	No known limitations
	Collada	3D Scene	DAE	Version 1.4.1	Yes	Yes	1. Light nodes are not imported 2. Export of metadata is not supported in On Premise products.
	Computer Graphics Metafile	2D Vector (Drawing)	CGM	Export: Version 3.0. Export using Vector Illustration	Yes	Yes	Supported by illustration (ASCII and Binary).
	DirectX Model	3D Scene	X	Not applicable	Yes	Yes	Vertex animation is not supported
	FILMBOX	3D Scene	FBX	Not applicable	Yes	Yes	Bones animation is not supported
	Gerber File	3D Scene	GBR, GBP, GPT, GTL, GTO, GTS, GKO, GBL	All versions supported	Yes	No	No known limitations
	Hewlett-Packard Graphics Library	3D Scene	HPGL, PLT	HPGL 1 and HPGL 2.	Yes	No	No known limitations
	Imagine Geometry	3D Scene	IOB	Not applicable	Yes	No	No known limitations
	ISO G Code	3D Scene	ISO, NC	Not applicable	Yes	No	No known limitations
	LightWave 3D and Binary Object	3D Scene	LWO, LW	Import: Up to LightWave 9.0. Export: LightWave version 6.0 (which is compatible with Lightwave 9.x).	Yes	Yes	No known limitations
	LightWave Scene	3D Scene	LWS	Not applicable	Yes	Yes	No known limitations
	Max File	3D Scene	MAX	2018, 2019, 2020, and 2021	Yes	Yes	Requires 3ds Max and the DCOM plugin to be installed. Modifiers are not supported - everything is converted to meshes. Procedural materials are not supported.
	Maya ASCII Scene	3D Scene	MA	2016, 2017, 2018	Yes	Yes	Requires Maya 2016-2018 to be installed. Modifiers are not supported - everything is converted to meshes. Procedural materials are not supported.
Maya Binary Scene	3D Scene	MB	2016, 2017, 2018	Yes	Yes	Requires Maya 2016-2018 to be installed. Modifiers are not supported, everything is converted to meshes. Procedural materials are not supported.	
Object File Format Vector Graphics	3D Scene	OFF	Not applicable	Yes	Yes	Material information is not exported	
Open Inventor File	3D Scene	IV	Not applicable	Yes	Yes	No known limitations	

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Category	File Format	Type	Extension(s)	VE Author 9.0	Import	Export	VE Author
				Version support	Import	Export	Known restrictions and comments
	OpenFlight Scene Description Database	3D Scene	FLT	Up to Version 13	Yes	Yes	Import: Multigen API DLLs not required.
	Points File	3D Scene	PTS	Not applicable	Yes	No	No known limitations
	Polygon Model Format	3D Scene	PLY	Not applicable	Yes	No	No known limitations
	Portable Graymap Graphics File	3D Scene	PGM	Not applicable	Yes	No	16-bit
	POV-Ray RAW Triangle Format	3D Scene	RAW	Not applicable	Yes	Yes	Material information is not exported
	Power Render Object	3D Scene	PRO	Version 2.5	Yes	No	No known limitations
	Protein Data Bank	3D Scene	PDB	Version 2.5	Yes	No	Medical file format
	Rhinoceros 3D Model	3D Scene	3DM	Versions 1.0, 2.0, 3.0, 4.0	Yes	Yes	No Chem3D 3DM support.
	SAP Visual Enterprise Binary	3D Scene	RH	Export: Versions 3.5 and 4.0	Yes	Yes	The 3D Visual Enterprise native binary 3D format. It stores 3D scenes with the most possible features available among Visual Enterprise products.
	SAP Visual XML	3D Scene	RHZ	Not applicable	Yes	Yes	When storing an RH file the geometry is separated from metadata. When the file is subsequently downloaded, the server produces an .rhz; essentially a zip file containing the geometry and metadata files. Client products recognize the file type and recreate the scene. Also used to deliver VZXML and all relevant companion files - usually a collection of .rh binaries.
	Silo3D	3D Scene	SIA	Version 1.0 only	Yes	Yes	No known limitations
	SketchUp Document	3D Scene	SKP	Version 5.0.295, 6.0, 7.0 2021 support	Yes	Yes	No known limitations
	SOFTIMAGE  XSI	3D Scene	XSI	Import: Versions 1.0, 3.0, 3.5 Export: Versions 3.0 and 3.5	Yes	Yes	ASCII XSI files supported - no Binary XSI support
	Stereolithography File	3D Scene	STL	Not applicable	Yes	Yes	Material information is not exported
	Universal 3D	3D Scene	U3D	Not applicable	Yes	Yes	Used in PDF Publishing, see Adobe Portable Document 3D PDF format
	Visual Design Stream	3D Scene	VDS	Versions: 0.0, 1.0, 2.0, 3.0, 4.0	Yes	Yes	The 3D Visual Enterprise mobile publishing format. It allows dynamic loading of geometry to support large data sets.
	Visual XML	3D Scene	VZXML	Not applicable	Yes	No	The XML based Visual Enterprise format designed for Visual Manufacturing solutions. It stores shattered representations of CAD assemblies to simplify change management workflows. This format supports a subset of features sufficient to store CAD data and Visual Steps and Procedures.
	VRML Worlds	3D Scene	WRL, VRML	Import: Versions 1.0 and 2.0 ASCII only. Export: Version 2.0	Yes	Yes	No animations support
	Wavefront Object	3D Scene	OBJ	Not applicable	Yes	Yes	No known limitations
	XAML	3D Scene	XAML	Not applicable	No	Yes	No known limitations
<b>Audio File Formats</b>	Audio Interchange Format	Audio	AIF, AIFF	Not applicable	Yes	No	Play only; used in Steps and Procedures   Media
	MPEG Audio Files	Audio	MPA, MP2, MP3	Not applicable	Yes	No	Play only; used in Steps and Procedures   Media
	Musical Instrument Digital Interface	Audio	MID, MIDI	Not applicable	Yes	No	Play only; used in Steps and Procedures   Media
	RIF MIDI File	Audio	RMI	Not applicable	Yes	No	Play only; used in Steps and Procedures   Media
	Sound Format	Audio	SND	Not applicable	Yes	No	Play only; used in Steps and Procedures   Media
	Sun/Next/DEC Audio	Audio	AU	Not applicable	Yes	No	Play only; used in Steps and Procedures   Media
	Waveform Audio	Audio	WAV	Not applicable	Yes	No	Play only; used in Steps and Procedures   Media
<b>Video File Formats</b>	Advanced Streaming Format	Video	ASF	Not applicable	Yes	No	Play only. Note: Presence and properties of supported video formats depend on codecs installed in system
	Audio Video Interleave Animation	Video	AVI	Not applicable	Yes	Yes	Play only. Note: Presence and properties of supported video formats depend on codecs installed in system
	Moving Pictures Expert Group Video	Video	M1V, MPEG, MPG	Not applicable	Yes	No	Play only. Note: Presence and properties of supported video formats depend on codecs installed in system
	Moving Pictures Expert Group Video	Video	MP4	Not applicable	Yes	Yes	Play only. Note: Presence and properties of supported video formats depend on codecs installed in system
<b>Document File Formats</b>	Adobe Portable Document 2D	Image/Scene	PDF	Not applicable	No	Yes	2D Vector or raster illustration exported to PDF. Can produce multiple page document (page per model view). Note: resulting PDF is not 3D.
	Adobe Portable Document 3D	Image/Scene	PDF	Not applicable	Yes	Yes	Note 1: 3D PDF can be viewed in Adobe Acrobat/Reader v8.0 and higher Note 2: Export based on special PDF templates, templates are created or edited in VE PDF Template Designer Note 3: Import is preview only For limitations, see attached document.
	HTML Document with 3D	Image/Scene	HTML	Not applicable	No	Yes	Must be viewed with SAP 3D Visual Enterprise Viewer
	Office PowerPoint Document	Image/Scene	PPT	Not applicable	No	Yes	Must be viewed with SAP 3D Visual Enterprise Viewer
	Web Archived HTML Document	Image/Scene	MHT	Not applicable	No	Yes	Must be viewed with SAP 3D Visual Enterprise Viewer
<b>Material File Formats</b>	Autodesk 3D Studio Material	Material	MLI	Not applicable	Yes	No	Files contain one or more material definitions, each of which includes the color, texture, and reflection map of individual materials.
	SAP Visual Enterprise Material	Material	RHM	Not applicable	Yes	Yes	Files contain one or more material definitions, each of which includes the color, texture, and reflection map of individual materials.
	Wavefront Material	Material	MTL	Version 4.2	Yes	No	Files contain one or more material definitions, each of which includes the color, texture, and reflection map of individual materials.
<b>Miscellaneous File Formats</b>	Text File	Text	TXT	Not applicable	Yes	No	Preview only, cannot be converted to any other format