

CADdoctor SX10.0.2 Release Note

**June 2025
Elysium Co. Ltd.**

1. Major Enhancements

The major enhancements are as follows.

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| (1) | Added Support for the Latest CAD Versions |
| - | CATIA V5 (Standalone) Exporter
Added support of R23 – R34(V5-6R2024) |
| - | Supported versions: R14, R19 – R34(V5-6R2024) |
| - | Specify the parameter "FileRelease=XX" in a custom parameter of Exporter when exporting R23 or later. (XX is the file version excluding R) |
| - | NX (Standalone) Importer
Added support of NX 2406 Series |
| - | Supported versions: UG10 – NX 2406 Series |
| - | 3DXML (Standalone) Importer
Added support of R2025x |
| - | Supported versions: R2010x – R2025x |

2. Enhancements / Specification Changes / Fixed Issues

The major changes are as follows. The IDs in the parentheses show the relevant Elysium support ID.

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| (1) | Standard Function |
| - | Improved error logging related to Ruby used internally. (00080476) |
| (2) | JT (Standalone) Exporter |
| - | Fixed a model-dependent issue where the geometry deteriorated during polygon translation. |

3. Recommended System Environment

CPU	Microsoft Windows 10 Pro 64-bit or Microsoft Windows 11 Pro (*1) capable CPU
Memory	4GB minimum
OS	Microsoft Windows 10 Pro 64-bit (22H2) Microsoft Windows 11 Pro (24H2)
Supported Language	Japanese, English, German, Chinese, Korean
Display	1280x1024 resolution or higher Video Card : Open GL Board that supports double buffering (*2)

(*1) Windows is a registered trademark of Microsoft Corp.

(*2) OpenGL is a registered trademark of Hewlett Packard Enterprise Corp.

4. Notes / Restrictions / Known Issues

4.1. Related to License Server

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| (1) | <p>It is necessary to upgrade the license server to Sentinel RMS License Manager v9.7.2.0006 to utilize CADdoctor SX10.0.2. The combination of CADdoctor SX10.0.2 and Sentinel RMS License Manager v9.2.1 is not officially supported. Please refer to "Sentinel RMS License Manager - Setup & Quick Start Guide" included in the installer of license server for the update method.</p> <ul style="list-style-type: none"> - We had planned to upgrade to RMS v10.x in SX10.0.2 to officially support Windows 11 and Windows Server 2022. However, we have found a critical bug in RMS v10.x and have decided not to upgrade to RMS v10.x in SX10.0.2. RMS 9.7.2 is not officially supported on Windows 11 and Windows Server 2022 by the library provider, but we have confirmed that it works properly on Windows 11 and Windows Server 2022 in our tests. Please note that RMS 9.7.2 can be used on Windows 11 and Windows Server 2022, but it is not officially supported. We apologize for any inconvenience this may cause. |
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4.2. Related to Key Function

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| (1) | <p>NX (Standalone) Importer</p> <ul style="list-style-type: none"> - When translating NX data which are created with NX 1953, visible elements belonging to the "Visible Only" could be translated as hidden elements. |
| (2) | <p>Parasolid (Standalone) Exporter</p> <ul style="list-style-type: none"> - Translating a model containing multibyte character in its element name to a Parasolid text format (.x_t, .xmt_txt) file may cause problems when importing to another system. You can avoid the error by using a binary format (*.x_b, *.xmt_bin). |
| (3) | <p>STEP (Standalone) Exporter</p> <ul style="list-style-type: none"> - When the STEP file of the assembly model translated by 3DxSUITE is opened by SOLIDWORKS 2009 or before, a defect in SOLIDWORKS causes the following problems. <ul style="list-style-type: none"> - Step files will be read as empty assembly models. - The assembly structure and matrix information will be lost and read as parts. |
| (4) | <p>JT (Standalone) Importer</p> <ul style="list-style-type: none"> - The JT library defect may cause an incorrect translation of Polygon geometry when translating ULP (Ultra Lightweight Precise) elements which are created in JT v10.3 or earlier. |
| (5) | <p>JT (Standalone) Exporter</p> <ul style="list-style-type: none"> - When a relative tolerance is specified during tessellation, the translation speed of parallelization mode may sometimes be much slower than non-parallelization mode. - Due to the update of the JT library, it has been reported that the translation time of SX6.1 increased compared to that of a previous version when translating ENF polygon to JT polygon. In our test, the translation time increased from 1.3 to 1.7 times. |
| (6) | <p>Geometry Simplifier</p> <ul style="list-style-type: none"> - If you wish to run the sub process "RemoveInvisiblePart" or "ExtractVisibleFace", it is recommended to use a computer with a video card which supports OpenGL Ver3.0 or later. |

5. Supported OS

Product		Windows 10 (*1)	Windows 11 (*2)
CADdoctor		X	X
Add-on	CATIA V5	X	X
	CATIA V4	X	X
	NX	X	X
	Creo Parametric	X	X
	Parasolid	X	X
	ACIS	X	X
	STEP (*3)	X	X
	JT	X	X
	3DXML	X	X
	IGES	X	X
	PLM XML	X	X
Add-on (Polygon)	STL	X	X
	OBJ	X	X
	VRML	X	X
	Nastran bulk data	X	X
	Point Cloud	X	X

(X: Available, -: Not available)

(*1) 22H2 is confirmed.

(*2) 24H2 is confirmed.

(*3) STEP AP242 BOM XML is not supported.

5. Supported CAD Versions

CAD	Supported CAD Versions		Note
CATIA V5	Import: R10 – R34(V5-6R2024)	Export: R14, R19 – R34	
CATIA V4	V4.2.1 – V4.2.5		
NX	UG10 – NX 2406 Series		Import only
Creo Parametric	Pro/ENGINEER 2000i – Creo Parametric 11.0		Import only
Parasolid	V7 – V36.1		
ACIS	R6 – R34		
STEP	AP203, AP214, AP242 (ed1/ed2/ed3)		
JT	Import: v6.4 – v10.10	Export: v9.0 – v10.9	
3DXML	R2010x – R2025x		Import only
IGES	5.2, 5.3		
PLM XML	-		Import only
STL	-		
OBJ	-		
VRML	-		
Nastran	-		Import only
Point Cloud	-		

(*) Updated CAD versions at SX10.0.2 in red.

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