

# DFM Studio v2.0.2 Requirement

ASFALIS Adapter

January 2022

## ENF Writer / Reader / ENF Reader Option

CATIA V5		
Product Code	Product Name	Product ID
ASF-CAT5P-ENFS	CATIA V5 to ENF	117001
ASF-ENFS-CAT5P	ENF to CATIA V5	100171
ASF-ANN/CAT5	ENF to CATIA V5 3D Annotation Option	501171
ASF-ATR/CAT5	ENF to CATIA V5 Attribute Option	601171
File format	CAD license	Install Type
CATProduct CATPart	any one of the following: AL1, MD1, ME1, XM1, YM1, ADD, AL2, AM2, CV2, DIC, DP2, EF2, EI2, ER2, FS2, HD2, MD2, ME2, MO2, MS2, PL2, PM2, RE2, RM2, RP2, SBD, SD2, SO2, XM2, YM2, AB3, AL3, CD3, SL3, TA3  (3D Annotation) CATIA V5 to ENF : AB3 (SpotWeld) ENF to CATIA V5 : FTA  It is not possible to use product licenses that are shareable.	CAD Plug-in
Supported version / Supported OS / Supported Language (Legacy Adapter)		
R19(SP6 or later) R20 (SP3 or later) R21(SP2 or later) V5-6R2012 (R22)	Windows 7 (64bit) SP1 (Although Elysium will release these components, Elysium will not support them.)	Japanese English
V5-6R2013 (R23) V5-6R2014 (R24) V5-6R2015 (R25)	Windows 8.1 (64bit)	
V5-6R2016 (R26) V5-6R2017 (R27) V5-6R2018 (R28)	Windows 8.1 (64bit) Windows 10 (64bit)	
V5-6R2019 (R29) V5-6R2020 (R30)	Windows 10 (64bit)	
Supported version / Supported OS / Supported Language (New Adapter)		
R19(SP6 or later) R20 (SP3 or later) R21(SP2 or later) V5-6R2012 (R22)	Windows 7 (64bit) SP1 (Although Elysium will release these components, Elysium will not support them.)	Japanese English
V5-6R2013 (R23) V5-6R2014 (R24) V5-6R2015 (R25)	Windows 8.1 (64bit)	
V5-6R2016 (R26) V5-6R2017 (R27) V5-6R2018 (R28)	Windows 8.1 (64bit) Windows 10 (64bit)	
V5-6R2019 (R29) V5-6R2020 (R30)	Windows 10 (64bit)	

3DEXPERIENCE		
Product Code	Product Name	Product ID
ASF-3DEXCDP-ENFS	3DEXPERIENCE to ENF	195001
ASF-ENFS-3DEXCDP	ENF to 3DEXPERIENCE	100951
ASF-ANN/3DEXCD	ENF to 3DEXPERIENCE Annotation Option	501951
ASF-ATR/3DEXCD	ENF to 3DEXPERIENCE Attribute Option	601951
File format	CAD license	Install Type
-	<p>(R2017x) CNV, CSV, IFW, MDG</p> <p>(R2018x or later) DER, CSV, IFW, MDG</p>	CAD Plug-in
Supported version	Supported OS	Supported Language
R2017x R2018x	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English
R2019x (FD03 or later) R2020x	Windows 10 (64bit)	

CATIA V4		
Product Code	Product Name	Product ID
ASF-CAT4S-ENFS	CATIA V4 to ENF	106001
ASF-ENFS-CAT4S	ENF to CATIA V4	100061
File format	CAD license	Install Type
model	not required	Standalone
Supported version	Supported OS	Supported Language
v4.2.1 - v4.2.5	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

NX I-deas		
Product Code	Product Name	Product ID
ASF-IDEP-ENFS	NX I-deas to ENF	103001
ASF-ENFS-IDEP	ENF to NX I-deas	100031
ASF-ANN/IDEAS	ENF to NX I-deas 3D Annotation Option	501031
ASF-ATR/IDEAS	ENF to NX I-deas Attribute Option	601031
File format	CAD license	Install Type
mf1, arc	solid_modeling features_modeling assemblies gateway  (3D Annotation) geometric_tol	CAD Plug-in
Supported version	Supported OS	Supported Language
NX I-deas 6.3	Windows 7 Professional/Enterprise (64bit) (Although Elysium will release these components, Elysium will not support them.)	Japanese English
NX I-deas 6.4 NX I-deas 6.5	Windows 7 Professional/Enterprise (64bit) SP1 (Although Elysium will release these components, Elysium will not support them.)	
NX I-deas 6.6 NX I-deas 6.7	Windows 10 (64bit)	
This application is available under WOW64.		

Creo Parametric		
Product Code	Product Name	Product ID
ASF-PROP-ENFS	Creo Parametric to ENF	104001
ASF-ENFS-PROP	ENF to Creo Parametric	100041
ASF-ATR/PROE	ENF to Creo Parametric Attribute Option	601041
File format	CAD license	Install Type
prt, asm	Creo Parametric	CAD Plug-in
Supported version / Supported OS / Supported Language (Legacy Adapter)		
Creo Parametric 2.0	Windows 8.1/Windows 8.1 Pro (64bit) (Creo Parametric 2.0 M100 or later)	Japanese English
Creo Parametric 3.0		
Creo Parametric 4.0		
Creo Parametric 5.0	Windows 10 (64bit)	
Creo Parametric 6.0	(Creo Parametric 2.0 M190 or later, Creo Parametric 3.0 M060 or later)	
Creo Parametric 7.0	Windows 10 (64bit)	
Supported version / Supported OS / Supported Language (New Adapter)		
Creo Parametric 2.0	Windows 8.1/Windows 8.1 Pro (64bit) (Creo Parametric 2.0 M100 or later)	Japanese English
Creo Parametric 3.0		
Creo Parametric 4.0		
Creo Parametric 5.0	Windows 10 (64bit)	
Creo Parametric 6.0	(Creo Parametric 2.0 M190 or later, Creo Parametric 3.0 M060 or later)	
Creo Parametric 7.0	Windows 10 (64bit)	
Creo Parametric 7.0 revision 7.0.4.0 or later requires Legacy Toolkit Application Runtime to be installed.		

Parasolid		
Product Code	Product Name	Product ID
ASF-PARS-ENFS	Parasolid to ENF	105001
ASF-ENFS-PARS	ENF to Parasolid	100051
File format	CAD license	Install Type
x t, x b, xmt txt, xmt bin	not required	Standalone
Supported version	Supported OS	Supported Language
v7 - v32.0	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

NX		
Product Code	Product Name	Product ID
ASF-UGP-ENFS	NX to ENF	114001
ASF-ENFS-UGP	ENF to NX	100141
ASF-ANN/UG	ENF to NX 3D Annotation Option	501141
ASF-ATR/UG	ENF to NX Attribute Option	601141
File format	CAD license	Install Type
prt	gateway solid_modeling assemblies features_modeling  (3D Annotation) drafting (drafting) geometric_tol (Note/GDT) cam_base (hatching) ug_smart_models (SurfaceFinish)	CAD Plug-in
Supported version / Supported OS / Supported Language (Legacy Adapter)		
NX9.0	Windows 8.1 (64bit)	Japanese English
NX10.0 NX11.0	Windows 8.1 (64bit) Windows 10 (64bit) (NX10.0.3 or later)	
NX12.0 NX 1847 Series NX 1872 Series NX 1899 Series NX 1926 Series NX 1953 Series	Windows 10 (64bit)	
Supported version / Supported OS / Supported Language (New Adapter)		
NX9.0	Windows 8.1 (64bit)	Japanese English
NX10.0 NX11.0	Windows 8.1 (64bit) Windows 10 (64bit) (NX10.0.3 or later)	
NX12.0 NX 1847 Series NX 1872 Series NX 1899 Series NX 1926 Series NX 1953 Series	Windows 10 (64bit)	

SOLIDWORKS		
Product Code	Product Name	Product ID
ASF-SWP-ENFS	SOLIDWORKS to ENF	109001
ASF-ENFS-SWP	ENF to SOLIDWORKS	100091
ASF-ATR/SW	ENF to SOLIDWORKS Attribute Option	601091
File format	CAD license	Install Type
sldasm, sldprt	SOLIDWORKS  (3D View) MBD	CAD Plug-in
Supported version / Supported OS / Supported Language (Legacy Adapter)		
SOLIDWORKS 2015 SOLIDWORKS 2016 SOLIDWORKS 2017 SOLIDWORKS 2018	Windows 8.1 (64bit) Windows 10 (64bit) (SOLIDWORKS 2015sp5 or later)	Japanese English
SOLIDWORKS 2019 SOLIDWORKS 2020	Windows 10 (64bit)	
Supported version / Supported OS / Supported Language (New Adapter)		
SOLIDWORKS 2015 SOLIDWORKS 2016 SOLIDWORKS 2017 SOLIDWORKS 2018	Windows 8.1 (64bit) Windows 10 (64bit) (SOLIDWORKS 2015sp5 or later)	Japanese English
SOLIDWORKS 2019 SOLIDWORKS 2020	Windows 10 (64bit)	

Autodesk Inventor		
Product Code	Product Name	Product ID
ASF-AIP-ENFS	Inventor to ENF	142001
ASF-ENFS-AIP	ENF to Inventor	100421
ASF-ATR/AI	ENF to Inventor Attribute Option	601421
File format	CAD license	Install Type
iam, ipt	Inventor	CAD Plug-in
Supported version / Supported OS / Supported Language (Legacy Adapter)		
Inventor 2017 Inventor 2018 Inventor 2019 Inventor 2020	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English
Inventor 2021	Windows 10 (64bit)	
Supported version / Supported OS / Supported Language (New Adapter)		
Inventor 2017 Inventor 2018 Inventor 2019 Inventor 2020	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English
Inventor 2021	Windows 10 (64bit)	

Creo Elements/Direct Modeling		
Product Code	Product Name	Product ID
ASF-OSDP-ENFS	Creo Elements/Direct Modeling to ENF	112001
ASF-ENFS-OSDP	ENF to Creo Elements/Direct Modeling	100121
File format	CAD license	Install Type
Creo Elements/Direct to ENF: pkg, sda, sdp, sd ENF to Creo Elements/Direct: pkg	Creo Elements/Direct Modeling	CAD Plug-in
Supported version	Supported OS	Supported Language
Creo Elements/Direct Modeling 18.1 Creo Elements/Direct Modeling 19.0 Creo Elements/Direct Modeling 20.0 Creo Elements/Direct Modeling 20.1 Creo Elements/Direct Modeling 20.2 Creo Elements/Direct Modeling 20.3	Windows 8.1/Windows 8.1 Pro/Windows 8.1 Enterprise (64bit) (18.1 M060 or later) Windows 10 (64bit) (18.1 M090 or later) (19.0 M040 or later)	Japanese English

IGES		
Product Code	Product Name	Product ID
ASF-IGESS-ENFS	IGES to ENF	199001
ASF-ENFS-IGESS	ENF to IGES	100991
File format	CAD license	Install Type
igs, iges	not required	Standalone
Supported version	Supported OS	Supported Language
5.2, 5.3	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

STEP		
Product Code	Product Name	Product ID
ASF-STEPS-ENFS	STEP to ENF	198001
ASF-ENFS-STEPS	ENF to STEP	100981
ASF-ANN/STEP	ENF to STEP 3D Annotation Option	501981
ASF-ATR/STEP	ENF to STEP Attribute Option	601981
File format	CAD license	Install Type
step, stp, stpZ	not required	Standalone
Supported version	Supported OS	Supported Language
AP203, AP214, AP242 (ed1/ed2)	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

STEP AP242 BOM		
Product Code	Product Name	Product ID
ASF-STEPS-ENFS	STEP AP242 BOM to ENF	175001
ASF-ENFS-STEPS	ENF to STEP AP242 BOM	100751
ASF-ATR/STEP	ENF to STEP AP242 BOM Attribute Option	601981
File format	CAD license	Install Type
stpx, stpxZ	not required	Standalone
Supported version	Supported OS	Supported Language
AP242 IS(edition1) AP242 TC(edition2)	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

ACIS		
Product Code	Product Name	Product ID
ASF-ACISS-ENFS	ACIS to ENF	102001
ASF-ENFS-ACISS	ENF to ACIS	100021
File format	CAD license	Install Type
sat	not required	Standalone
Supported version	Supported OS	Supported Language
R6 - R29	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

JT		
Product Code	Product Name	Product ID
ASF-JTS-ENFS	JT to ENF	184001
ASF-ENFS-JTS	ENF to JT	100841
ASF-ANN/JT	ENF to JT 3D Annotation Option	501841
ASF-ATR/JT	ENF to JT Attribute Option	601841
File format	CAD license	Install Type
jt	not required	Standalone
Supported version / Supported OS / Supported Language (Legacy Adapter)		
JT to ENF: 6.4 - 10.5 ENF to JT: 8.0 - 10.5	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English
Supported version / Supported OS / Supported Language (New Adapter)		
JT to ENF: 6.4 - 10.5 ENF to JT: 8.0 - 10.5	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

PLM XML		
Product Code	Product Name	Product ID
ASF-PLMXMLS-ENFS	PLM XML to ENF	194001
ASF-ENFS-PLMXMLS	ENF to PLM XML	100941
ASF-ATR/PLMXML	ENF to PLM XML Attribute Option	601941
File format	CAD license	Install Type
plmxml	not required	Standalone
Supported version	Supported OS	Supported Language
-	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

iCAD		
Product Code	Product Name	Product ID
ASF-ICADS-ENFS	iCAD to ENF	149001
ASF-ENFS-ICADS	ENF to iCAD	100491
File format	CAD license	Install Type
icd	not required	Standalone
Supported version	Supported OS	Supported Language
iCAD/SX V7L1,V7L2,V7L3,V7L4,V7L5,V7L6, V7L7	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese

CADmeister (stand alone)		
Product Code	Product Name	Product ID
ASF-CDMS-ENFS	CADmeister to ENF (stand alone)	167001
ASF-ENFS-CDMS	ENF to CADmeister (stand alone)	100671
ASF-ANN/CDM	ENF to CADmeister (stand alone) 3D Annotation Option	501671
ASF-ATR/CDM	ENF to CADmeister (stand alone) Attribute Option	601671
File format	CAD license	Install Type
cfio	not required	Standalone
Supported version	Supported OS	Supported Language
CADmeister Ver4.0 - 14.0	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

CATIA V5 (stand alone)		
Product Code	Product Name	Product ID
ASF-CAT5S-ENFS	CATIA V5 to ENF (stand alone)	170001
ASF-ENFS-CAT5S	ENF to CATIA V5 (stand alone)	100701
File format	CAD license	Install Type
CATProduct, CATPart	not required	Standalone
Supported version	Supported OS	Supported Language
CATIA V5 to ENF: R7 - R30 ENF to CATIA V5: R14, R19, R20	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

Creo Parametric (stand alone)		
Product Code	Product Name	Product ID
ASF-PROS-ENFS	Creo Parametric to ENF (stand alone)	171001
File format	CAD license	Install Type
prt, asm	not required	Standalone
Supported version	Supported OS	Supported Language
2000i - WF5, Creo Parametric 1.0-6.0	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

NX (stand alone)		
Product Code	Product Name	Product ID
ASF-UGS-ENFS	NX to ENF (stand alone)	172001
File format	CAD license	Install Type
prt	not required	Standalone
Supported version	Supported OS	Supported Language
UG10 - NX 1899	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

STL		
Product Code	Product Name	Product ID
ASF-ENFS-STLS	ENF to STL	100811
File format	CAD license	Install Type
stl	not required	Standalone
Supported version	Supported OS	Supported Language
-	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

XVL		
Product Code	Product Name	Product ID
ASF-ENFS-XVLS	ENF to XVL	100301
File format	CAD license	Install Type
xv3, xv2, xv0	not required	Standalone
Supported version	Supported OS	Supported Language
P-XVL(V3) V-XVL(V5, V7, V9) U-XVL(V10, V11)	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

3D PDF		
Product Code	Product Name	Product ID
ASF-ENFS-3DPDFS	ENF to 3D PDF	100761
ASF-BAT/PDFE2	3D PDF Editor †	10102-3119
File format	CAD license	Install Type
pdf	not required	Standalone
Supported version	Supported OS	Supported Language
Adobe Acrobat Reader DC	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

#### Note

\* Please note that "ENF to 3D PDF" is a license on data translation to 3D PDF format and 3D PDF reporting (reports will be exported in default format), and it will require an additional license on "3D PDF Editor" to customize the format of output 3D PDF files.

\* This Component is tested using following. Basically, output 3D PDF files can be opened with other versions, too, but please note that there may be unexpected errors when using other versions.

- Adobe Acrobat Reader DC Continuous (2020.009.20074)

† "Data Package Studio"(DPS) is an independent package; however, DPS is included in 3D PDF Editor as a product. If you own 3D PDF Editor, then you will be able use DPS. The following software or version is necessary when using DPS.

#### Data Package Studio

Supported Products	Supported versions	Supported Language
Package (permanent license) Adobe Acrobat Pro 2020 Adobe Acrobat Pro 2017  Subscription Adobe Acrobat Pro DC	Continuous Release 2020 Release(Classic) 2017 Release(Classic)	Japanese English

3D XML		
Product Code	Product Name	Product ID
ASF-3DXML-ENFS	3D XML to ENF	163001
File format	CAD license	Install Type
3dxml	not required	Standalone
Supported version	Supported OS	Supported Language
R2010x - R2019x	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

## ASFALIS Optimizer Batch component

Product Code	Product Name	Product ID
ASF-BAT/PDQ	PDQ Checker	10101
ASF-BAT/SIM	Geometry Simplifier	10102-3101
ASF-BAT/GVF	CAD Validator	10102-3105
ASF-BAT/ATR	Attribute Editor	10102-3107
ASF-BAT/ASM	Assembly Editor	10102-3106
ASF-BAT/ITR	Interference Checker	10102-3108
ASF-BAT/POP	Polygon Optimizer	10102-3113
ASF-BAT/EE	ENF Editor	10102-3115
File format	Supported OS	Supported Language
ENF	Windows 8.1 (64bit) Windows 10 (64bit)(except for Attribute Editor, Assembly Editor)	Japanese English
Note		
<p>Below are the prerequisite necessary for utilizing PDQ Check result report (3D PDF) by PDQChecker or the validation reports' ( HTML/3D PDF ) functionality.</p> <p>* 3D PDF Report</p> <ul style="list-style-type: none"> <li>- Additional license on "ASFALIS ENF to 3D PDF" option to export PDQ Check result report or validation result report in 3D PDF format</li> <li>- Additional license on "ASFALIS Optimizer 3D PDF Editor" option to customize PDQ Check result report or the 3D PDF report</li> <li>- Adobe Acrobat Reader DC or later version to view PDQ Check result report or 3D PDF reports</li> </ul> <p>* HTML Report</p> <ul style="list-style-type: none"> <li>- Internet Explorer 11 to view HTML report</li> </ul> <p>Before making your purchase, please ensure that your environment satisfies the necessary items. (For any questions, please contact Elysium or any authorized reseller before your purchase.)</p>		

## Etc

Product Code	Product Name	Product ID
ASF-HEAL/CADCEUS	Healer for CADCEUS	100211
ASF-HEAL/TOGO	Healer for TOGO	100231
-	ENFPolygon	-
File format	Supported OS	Supported Language
ENF	Windows 8.1 (64bit) Windows 10 (64bit)	Japanese English

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