PRODUCT RELEASE ANNOUNCEMENT

Product Category	**Visualize 3D**
Product Group	CATIA V5 to Creo View
Release Version	19.1

Document Type	**Product Release Announcement**
Status	Released
Revision	2.0
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History

Revision	Update Information
1.0	Initial Release
2.0	Updated CD to include redistributable libraries for PDF OS support

Product Codes

Product Code	Product Description
CA5CVW-U1	CATIA V5 to Creo View
CA5CVW-U2	CATIA V5 to Creo View for WindChill
CA5CVW-S1	CATIA V5 to Creo View for Windchill PMI Add On
CA5CVW-S2	CATIA V5 to Creo View for Windchill Extended CGR
CA5CVW-S3	CATIA V5 to Creo View for Windchill Post Processing Module
CA5CVW-S4	CATIA V5 to Creo View + JT Add On
CA5CVW-S5	CATIA V5 to Creo View + 3D PDF Add On

Supported Application Revisions

The following application revisions have been qualified with this release

Application	Revision
CATIA V5	CATIA V5 R18, CATIA V5 R19, CATIA V5 R20, CATIA V5 R21, CATIA V5-6R2012, CATIA V5-6R2013, CATIA V5-6R2014 & CATIA V5-6R2015

Supporting API's

The following supporting API support is used

Application	Revision
JTOpen	Jtk7.1
Creo View DAPI	Creo 3.1 - M030 (13.3.0.43)
3D PDF	API HOOPS Exchange Publish 2015 (v8.1)

Supported Operating Systems

The following operating systems have been qualified with this release

Operating System	Qualification Status
Windows 7 64bit	Qualified and fully supported (All CATIA V5 Revisions)
Window 8 64bit	Not formally qualified for CATIA V5 R18, R19, R20, R21 and CATIA V5-6R2012 Qualified and fully supported for CATIA V5-6R2013, CATIA V5-6R2014 and CATIA V5-6R2015 Only
Windows Server 2008 R2	Not formally qualified for CATIA V5 R18, R19 and R20 Qualified and fully supported for CATIA V5 R21, CATIA V5-6R2012, CATIA V5-6R2013, CATIA V5-6R2014 and CATIA V5-6R2015 Only
Windows Server 2012	Not formally qualified for CATIA V5 R18, R19, R20, CATIA V5 R21, CATIA V5-6R2012 and CATIA V5-6R2013 Qualified and fully supported for CATIA V5-6R2014 and CATIA V5-6R2015 Only

Distribution Media

CD images of the latest release are available from the following download sites.

Product	URL for CD image download
Support for ALL Versions	cdCAD_19.1_CA5CVW_WIN.02.zip*(v2.0)*
Unified Interface	cdCAD_19.1_UI_WIN64.01.zip

New Features / Enhancements

The following new features or enhancements have been introduced with this release

Ref ID	New Feature / Enhancement Description
1	*New API:* Use of DAPI - Creo 3.1 - M030 (13.3.0.43)
2	*Assembly Level PMI:* Assembly level PMI associations are now supported *Note!* Minimum Memory and Positional Assembly modes do not support this capability *Note!* Support for assembly associations requires the output Creo View Type to be set to >= 1200 and requires a Viewer of Creo v3.1 or higher. Recipe setting = *adapter/outputPView=1200*)
3	*Large Plane Support:* Large planes can now be optionally converted to Datum Surfaces or Planes *(REQ00164)*
4	*Empty Parts:* Empty parts can now be created without the use of a dummy point *(REQ00166)*
5	*Model Based Definition:* The **Model Based Definition** field in the recipe editor has been replaced by **Process Specification Tree -** The tree options are : **Disabled, Enabled, Enabled - Expanded.** The *Enabled - Expanded* selection is provided to support 'Default view States' in a below part level specification tree. *(REQ00136)* *Note!* Existing recipe files will still be supported in R19.1
6	*Model Based Definition:* The **Model Based Definition (now Process Specification Tree)** has had references to *Attribute Styles* removed. The new default is (style 1) and the user can enable (style 2) as an advanced option *(REQ00142)*
7	*3D PDF Add-On:* The ability to save as 3D PDF from either a recipe file setting or a job file has been added Note! This feature requires an optional Theorem License *(REQ00145)*
8	*Flat To Screen PMI:* Support for zoomable, Flat to screen PMI has been added *(REQ00165)*
9	*Component ID Support*: Support for Component Ids has been added, but not formally QA'd *(REQ00094)*
10	*New User Interface:* Support for the Theorem UI has been added. *Note!* This capability has not been formally documented, as it is felt that the vast majority of users will not wish to take advantage of this capability

Known Limitations and Restrictions

The following limitations and restrictions have been identified during final testing prior to release

Ref ID	Limitations and Restrictions
1	*Capture Zoom:* There are known issues with Capture Zoom, that are under investigation. Captures without an associated camera are not fully supported **(REQ00023)**
2	*PMI Filled Fonts:* Due to default Creo View tessellation settings, sometimes filled PMI can appear badly formed in Creo View. This can be resolved by adjusting the tessellation settings *(See: user documentation)*
3	*Assembly Level PMI:* Setting the recipe setting adapter/outputAnnotFloat=0 will limit the Creo View version created such that assembly level PMI is not supported

Resolved Support Calls

The following list of Support Calls are resolved with this release

Support Call ID	Brief Description
CAS-02109	*Exit Codes :* Improvements have been made to the DAPI in the area of exit codes
CAS-02153	*Positional Assemblies:* A bug has been fixed in Positional Assembly Processing
CAS-02175	*Point Style:* Improvements have been made in point style support
CAS-02224	*Flat To Screen PMI: Support for zoomable, flat to screen PMI has been added (REQ00165)*
CAS-02228	*Assembly Level PMI Associations:* Assembly Level PMI geometry associations now work *Note!* Support for assembly associations requires the output Creo View Type to be set to >= 1200 and requires a Viewer of Creo v3.1 or higher. Recipe setting = adapter/outputPView=1200)
CAS-02231	*PMI Datum Processing:* Issue associated with Capture visibility of Simple Datum's resolved
CAS-02258	*Attribute Processing:* The order when writing attributes has been corrected
CAS-02303	*CATIA V4:* Session and related .model files are now created as alternative file formats
CAS-02313	*Attributes Processing:* Issues in attribute processing resolved
CAS-02346	*CATIA V4:* Data related issue with .model processing resolved
CAS-02349	*Translation Fails:* Fatal processing error resolved
CAS-02374	*Minimum Memory Mode:* Data related issue with large assembly processing resolved
CAS-02394	*PMI Alignment:* Data specific issues with flag notes and text alignment have been resolved
CAS-02410	*PMI Flipping:* Data specific issue with PMI flipping processing resolved
CAS-02411	*PMI Flipping:* Data specific issue with PMI flipping processing resolved
CAS-02412	*Large Plane Support:* Large planes can now be optionally converted to Datum Surfaces or Planes *(REQ00164)*
CAS-02413	*Points Processing:* Data specific issue with Points processing resolved
CAS-02420	*Points Processing:* Data specific issue with Points processing resolved

CAS-02421	*Flat To Screen PMI:* Support for zoomable, flat to screen PMI has been added *(REQ00165)* *Note!* Support for zoomable flat to screen text requires the output Creo View Type to be set to >= 1200 and requires a Viewer of Creo v3.1 or higher. Recipe setting = *adapter/outputPView=1200*)
CAS-02426	*Transparency:* Data specific issues with Transparency processing resolved
CAS-02442	*Composites Processing:* A data specific issue with missing composite nodes has been resolved