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## PRODUCT RELEASE ANNOUNCEMENT

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Product Category	<b>Publish 3D</b>
Product Group	CATIA V5 for 3D PDF
Release Version	19.4

Document Type	<b>Product Release Announcement</b>
Status	Released
Revision	3.0
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## History

Revision	Update Information
1.0	Initial Release
2.0	Updated for 02 CD release
3.0	Updated for 03 CD release

## Product Codes

<b>Product Code</b>	<b>Product Description</b>
<b>CA5PDF-U1</b>	CATIA V5 Publish 3D On Demand Interactive & Batch processing
<b>CA5PDF-I1</b>	CATIA V5 Publish 3D Interactive

## Supported Application Revisions

The following application revisions have been qualified with this release

Application	Revision
<b>CATIA V5</b>	CATIA V5 R19, CATIA V5 R20, CATIA V5 R21, CATIA V5-6R2012, CATIA V5-6R2013, CATIA V5-6R2014, CATIA V5-6R2015 & CATIA V5-6R2016
<b>Adobe Reader</b>	Adobe Reader XI

## Supporting API's

The following supporting API support is used

Application	Revision
<b>3D PDF API</b>	HOOPS Exchange Publish 2016 (v9.1)

## Supported Operating Systems

The following operating systems have been qualified with this release

Operating System	Qualification Status
<b>Windows 7 64bit</b>	Qualified and fully supported (All CATIA V5 Revisions)
<b>Window 8 64bit</b>	Not formally qualified for CATIA V5 R19, CATIA V5 R20, CATIA V5 R21 and CATIA V5-6R2012  Qualified and fully supported for CATIA V5-6R2013 & CATIA V5-6R2014 Only
<b>Windows Server 2008 R2</b>	Not formally qualified for CATIA V5 R19 and CATIA V5 R20  Qualified and fully supported for CATIA V5 R21, CATIA V5-6R2012, CATIA V5-6R2013, CATIA V5-6R2014, CATIA V5-6R2015 & CATIA V5-6R2016 Only
<b>Windows Server 2012</b>	Not formally qualified for CATIA V5 R19, CATIA V5 R20, CATIA V5 R21, CATIA V5-6R2012 & CATIA V5-6R2013  Qualified and fully supported for CATIA V5-6R2014, CATIA V5-6R2015 & CATIA V5-6R2016 Only



## Distribution Media

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

CATIA V5 Version	URL for CD image download
<b>On Demand support for ALL Versions</b>	<a href="#">cdCAD 19.4 CA5PDF WIN.03.zip</a>
<b>CATIA V5R19 Interactive</b>	<a href="#">cdCAD 19.4 CA5PDF WIN64 R19SAVEAS.03.zip</a>
<b>CATIA V5R20 Interactive</b>	<a href="#">cdCAD 19.4 CA5PDF WIN64 R20SAVEAS.03.zip</a>
<b>CATIA V5R21 Interactive</b>	<a href="#">cdCAD 19.4 CA5PDF WIN64 R21SAVEAS.03.zip</a>
<b>CATIA V5R22 Interactive</b>	<a href="#">cdCAD 19.4 CA5PDF WIN64 R22SAVEAS.03.zip</a>
<b>CATIA V5R23 Interactive</b>	<a href="#">cdCAD 19.4 CA5PDF WIN64 R23SAVEAS.03.zip</a>
<b>CATIA V5R24 Interactive</b>	<a href="#">cdCAD 19.4 CA5PDF WIN64 R24SAVEAS.03.zip</a>
<b>CATIA V5R25 Interactive</b>	<a href="#">cdCAD 19.4 CA5PDF WIN64 R25SAVEAS.03.zip</a>
<b>CATIA V5R26 Interactive</b>	<a href="#">cdCAD 19.4 CA5PDF WIN64 R26SAVEAS.03.zip</a>
<b>Unified Interface</b>	<a href="#">cdCAD 19.4 UI WIN.02.zip</a>



## New Features / Enhancements

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

Ref ID	New Feature / Enhancement Description
1	<i>PDF API Update:</i> Use of TechSoft 9.1 API
2	<i>V5 Interactive 'Save As' Options Panel:</i> A new design to the Theorem Panel allowing control over multiple configurations, password settings, log file output and opening of PDF on completion.
3	<i>V5 Interactive 'Save As' Configuration Manager:</i> Improvement in the handling of configurations for <i>Publish 3D Interactive</i> users, allowing the creation of multiple configurations rather than just template selection.
4	<i>Home Button View:</i> 3DPDF Write option <i>'add_home_button'</i> adds a single additional view that can be referenced by Javascript buttons.
5	<i>Exploded Views:</i> Added general support for exploded views.
6	<i>Flat to Screen Annotations:</i> 3DPDF Write option <i>'fts_no_leader'</i> to prevent leader lines being processed and output as 3D when marked as flat to screen.
7	<i>Associated PMI:</i> Improved the handling of PMI -> Solid highlighting.
8	<i>PMI Visibility:</i> Added 3DPDF Write option <i>'invisible_wf_pmi'</i> to allow the visibility state to be honoured.
9	<i>Improved support for Attribute Information:</i> Any attributes added by Theorem will now be omitted by default. 3dPDF write option <i>'keep_ts_attrs'</i> added to re-enable.
10	<i>Rendering of Default Views:</i> New 3DPDF Write option <i>'no_default_view'</i> added to stop a default view being honoured but allow for render mode to work correctly due to a limitation (see 'Known Limitations and Restrictions' below).
11	<i>Processing of Datum Planes:</i> Creation of V5 Read option <i>'datum_faces &lt;size&gt;'</i> to create a small face for infinite datum planes. Default is 15mm.
12	<i>MBD Output:</i> V5 Read option <i>'output_mbd_leaf_nodes'</i> to read an extra level of detail in the specification tree structure compared to <i>'output_mbd'</i> .
13	<i>Extension of PMI Read Capability:</i> New options for V5 Read to increase the level of control over PMI reading. New options added are <i>'read_part_assy_pmi'</i> , to read PMI in only assembly annotation sets in CATParts, and <i>'read_all_assy_pmi'</i> that reads PMI annotation sets in CATProducts and assembly annotation sets in CATParts.



<b>14</b>	<i>Reference Line Trimming:</i> For lines that are infinite in size, the V5 Read will now trim these to the limit of the model entities on a per CATPart basis. Disabled using the V5 Read argument ' <i>dont_trim_reference_line</i> '.
<b>15</b>	<i>Improvement of Capture View Orientation:</i> When no camera is specified within a capture view the orientation and zoom has been improved using the view direction of the active view.
<b>16</b>	<i>Improvement of View Orientation:</i> The use of ' <i>read_views</i> ' now has improved orientation and zoom and geometry hide/show states.
<b>17</b>	<i>V5 and JT to PDF Add On Licensing:</i> Updated licensing features to allow On Demand products to run when a PDF Add On license is purchased for V5<>JT and V5<>NX products.





## Known Limitations and Restrictions

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

Ref ID	Limitations and Restrictions
1	<i>Help Shortcut:</i> The Help short-cut point to <install_dir>\help.html. This redirects to the latest help on the web site at <a href="http://www.theorem.com/Documentation">http://www.theorem.com/Documentation</a> There is, however, no short-cut to the help shipped on the CD, which can be accessed at: <install_dir>\Guides\JT_3DPDF_index.htm
2	<i>PMI Flipping:</i> PDF does not support flipped PMI
3	<i>PMI to PMI Annotations:</i> PDF does not support linked PMI
4	<i>Unified Interface Export:</i> When exporting from the Unified Interface, the output name uses the top level assembly name by default, regardless of selection. This can be overridden via the <i>Translator Options-&gt;Confirmation</i> panel
6	<i>Unified Interface Viewer:</i> Assembly level PMI will not be exported.
7	<i>R21 Interactive Save As:</i> When pdf is selected as the type to save in the Save As menu, the file extension is not automatically changed to pdf (stays as .CATPart/Product).
8	<i>All V5 Interactive Save As:</i> Setting the Password option from the Interactive V5 Theorem Panel will override the password setting in a configuration file.
9	<i>PDF Default View:</i> If a default view is set along and any render mode other than Solid is configured then the render mode will not be honoured.



## Resolved Support Calls

The following list of Support Calls are resolved with this release.

Support Call ID	Brief Description
CAS-02474	Piping sections are missing from PDF output.
CAS-02524	PDF file is created but geometry not output into PDF document.
CAS-02575	Catia V5 to 3DPDF fails if part or body name is over 255 characters
CAS-02616	Added ' <i>landscape_page</i> ' option to help with zoom issues.
CAS-02624	Construction geometry is not output into PDF.
CAS-02626	CATProducts reverting to local parts in Part Management with interactive SaveAs.
CAS-02656	Large PDF file created and slow switching between views.
CAS-02659	Data failed to process, fix added ' <i>use_2D_curves</i> ' option which allows data to be processed.
CAS-02660	PMI not displayed. Added ' <i>view_part_name</i> ' option which uses the part name in the view names to help identify the views when selected in PDF.
CAS-02667	PMI is missing and aligned incorrectly.
CAS-02686	PDF write leg crashes during processing.
CAS-02687	V5 Reference Frame not appearing in PDF output.
CAS-02690	Structure Tree naming does not match CATIA V5 structure names.
CAS-02702	PDF write leg crashes during processing.
CAS-02705	PMI display is incorrect.
CAS-02714	Data visualization errors in Unified Interface.
CAS-02755	Wireframe without a colour set was not being displayed in views.
CAS-02791	Interactive 'Save As' installation errors.
CAS-02834	'Print All' button only printed the first view. Updated 3D PDF template button 'print all views'.
CAS-02842	Geometry missing from Output PDF when using 'Save As'.

