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## PRODUCT RELEASE ANNOUNCEMENT

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

Document Type	<b>Product Release Announcement</b>
Status	Released
Revision	2.0
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## History

Revision	Update Information
1.0	Initial Release
2.0	New release of CD to support additional license options. Also contains some further bug-fixes.

## Product Codes

<b>Product Code</b>	<b>Product Description</b>
<b>NXPDF-U1</b>	NX Publish 3D On Demand Interactive & Batch processing
<b>NXPDF-I1</b>	NX Publish 3D Interactive
<b>NXPDF-A1</b>	Publish 3D Configuration Tool for NX
<b>NXPDF-A2</b>	Publish 3D Java Script Add-on Module
<b>NXCA5-A2</b>	NX to CATIA V5 PDF Add-on Module

## Supported Application Revisions

The following application revisions have been qualified with this release

Application	Revision
<b>NX</b>	NX 9.0, NX10, NX11
<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
<b>Windows 8 64bit</b>	Qualified and fully supported
<b>Windows 10 64 Bit</b>	Not formally qualified for NX 9.0 & NX 10.0  Qualified and fully supported NX 10.0.3 and later versions including NX 11



## Distribution Media

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

NX Version	URL for CD image download
<b>On Demand support for ALL Versions</b>	<a href="#">cdCAD_19.4_NXPDF_WIN.03.zip</a>
<b>NX 9.0 Interactive</b>	<a href="#">cdCAD_19.4_NXPDF_WIN64_R90SAVEAS.03.zip</a>
<b>NX 10 Interactive</b>	<a href="#">cdCAD_19.4_NXPDF_WIN64_R100SAVEAS.03.zip</a>
<b>NX 11 Interactive</b>	<a href="#">cdCAD_19.4_NXPDF_WIN64_R110SAVEAS.03.zip</a>
<b>Unified Interface</b>	<a href="#">cdCAD_19.4_UI_WIN.01.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>NX 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>NX 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_attr</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 and allow for render mode to work correctly due to API limitation (see 'Known Limitations and Restrictions' below).
11	<i>PMI display:</i> enhancements for custom symbols, PMI flipping, Non planar leader lines and centerlines
12	<i>Occurrences:</i> Enhanced support for occurrences and relative associations e.g. different coloured occurrences, PMI associated to one or many specific occurrences
13	<i>Note Data:</i> Add support for read of Tabular Note data
14	<i>Geometry preparation enhancement:</i> Added read option to read surfaces as nurbs independently of preparing the solid.



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<b>15</b>	<i>Attribute lengths</i> : Bug fix with processing leader lines with long attribute lengths
<b>16</b>	<i>Section views</i> : enhancements to section view support
<b>17</b>	<i>Assembly Colours</i> : Support for use of assembly instance colours
<b>18</b>	<i>Teamcenter loaded NX</i> : Support for Export As Loaded where part has been loaded from TeamCenter
<b>19</b>	Licensing enhancements for Add-on and Standalone support





## 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 points 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\NX_3DPDF_index.htm
2	<i>Unified Interface Viewer 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
3	<i>PDF Default View:</i> If a default view is set then a user defined render mode will not be honoured. There is an additional option to overcome this if required.
4	<i>NX Integrated Help:</i> No help is provided via the menu option on the NX Integrated Menu. Refer to <a href="http://www.theorem.com/Documentation">http://www.theorem.com/Documentation</a>
5	<i>NX License Error:</i> If there is no NX license available the translator will fail with a “Fatal Error detected” error.
6	<i>Additional Log File:</i> When using an Interactive license an additional blank .LOG2X or LAAX file is created per translation.



## Resolved Support Calls

The following list of Support Call issues are resolved with this release

Support Call ID	Brief Description
<b>CAS-02723-H9C2W7</b>	Leaders angled in multiple planes not terminating on object correctly.
<b>CAS-02656-P4Y7Y8</b>	One particular data set translating to large cumbersome PDF file.
<b>CAS-02682-X2R2S3</b>	PMI symbol incorrectly processed.
<b>CAS-01832-Q3T6P9</b>	PMI incorrectly processed.
<b>CAS-02650-S7P5R6</b>	Data set did not produce valid output PDF
<b>CAS-02649-G6F6R6</b>	Translation crashed and no PDF output was created.
<b>CAS-02726-K0M7M3</b>	Some PMI associations are lost in the PDF file
<b>CAS-02648-B7P4B6</b>	Flipped PMI in some views
<b>CAS-02944-W6V7C4</b>	Allows saving to a top level mapped Drive e.g. P:
<b>CAS-02945-T0B3T1</b>	Additional PMI visible in a view
<b>CAS-02946-H1C8K3</b>	Support for non-planar PMI Rectangular regions
<b>CAS-02960-J2P1M8</b>	No pdf created
<b>CAS-02963-Y9X3W0</b>	View carousel is empty

