



PRODUCT RELEASE ANNOUNCEMENT

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Product Group	NX and CATIA ICEM Surf
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History

Revision	Update Information
1.0	Initial Release.



Product Codes

Product Code **Product Description**

Product Code	Product Description
NXSDB-B1	NX to CATIA ICEM Surf Bi-directional



Supported Application Revisions

The following application revisions have been qualified with this release

Application	Revision
Siemens NX	NX9, NX10, NX11
ICEM Surf	Up to 2017.1

Supporting API's

The following supporting API versions are used

Application	Revision
Surf DB	4.12

Supported Operating Systems

The following operating systems have been qualified with this release

Operating System	Qualification Status
Windows 7 64bit	Qualified and fully supported
Windows 10 64bit	Qualified and fully supported for ICEM Surf 2016/2017



Distribution Media

Msi packages of the latest release are available from the following download sites.

Product	URL for msi download
Support for ALL Versions	NXSDB Product Installer
	Flex License Server Installer
	Theorem UI Installer



New Features / Enhancements

The following new features or enhancements have been introduced with this release. This document also includes fixes

Ref ID New Feature / Enhancement Description

1	The product can now be used in conjunction with the Theorem UI. This allows translation configurations to be created and maintained enabling flexible translation capabilities in a simple to use 'drag and drop' interface. This is a separate installation via an msi (see above)
2	Configurations can be named to suit the type of data and translation. E.g. "NX11 from Company X"
3	Named Configurations can now be used on the command line e.g. cad_run_UI.cmd NX11_SurfDB -c "My NX Surf Config" -i input.part -o output.icem
4	The installer now uses MicroSoft Installer. By default this will install the software to C:\Program Files. This can be changed at the point of installation
5	FlexLM is now part of a separate installation process and has its own msi
6	Convergent Modelling data (introduced by Siemens at NX11) is now converted to Surf
7	Colours are now supported when translating from NX into Surf



Known Limitations and Restrictions

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

Ref ID	Limitations and Restrictions
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1	Only single configurations can currently be used interactively in ICEM Surf. To choose a new configuration ICEM Surf must be closed and a new configuration added via the kddat files.
2	



Resolved Support Calls

The following list of Support Calls are resolved with this release

Support Call ID	Brief Description
CAS-01285	The teil/molecule (Surf Structure) is now supported in both directions
CAS-02094	Import for scanned data from NX is now possible
CAS-02402	Datum Axis systems are now converted between NX and Surf. Only Co-ordinate AXIS systems were previously supported
CAS-02461	Data associated with this call is now successfully translated
CAS-02471	Surface issue seen with specific data have now been fixed
CAS-02895	A new option trim_face_surfs has been added to enable surfaces to be trimmed back closer to the face boundaries
CAS-02924	Read_facet has been modified to accommodate faceted solids correctly, when importing NX data
CAS-02925	See CAS-02924
CAS-03029	Running brep_prep solves errors on this data when reading from Surf
CAS-03030	Configurations have been introduced to simplify the conversion syntax. Using configurations for differing data types and data sources allows more flexibility. The use of meaningful names for configurations helps with converting 'non-standard' data
CAS-03031	Convergent modelling data can now be read into Surf. Using the command create_facet_failed_solid allows these bodies to be read when a standard body read is not possible.

