



PRODUCT RELEASE ANNOUNCEMENT

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|------------------|------------------------------------|
| Product Category | CADverter |
| Product Group | NX and CATIA ICEM Surf (NX12 Only) |
| Release Version | 21.0 |

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|---------------|-------------------------------------|
| Document Type | Product Release Announcement |
| Status | Released |
| Revision | 1.0 |
| Author | Product Manager |
| Issued | 19-Mar-18 |



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History

| Revision | Update Information |
|----------|--------------------------------------|
| 1.0 | Interim Release to support NX12 only |
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| | |
| | |



Product Codes

Product Code **Product Description**

| Product Code | Product Description |
|---------------------|--|
| NXSDB-B1 | NX12 to CATIA ICEM Surf Bi-directional |



Supported Application Revisions

The following application revisions have been qualified with this release

| Application | Revision |
|-------------|--------------|
| Siemens NX | NX12 |
| 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 site.

| Product | URL for msi downloads |
|---------------------------------|---|
| 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 for customers moving from a pre-20.X release

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 |
|--------|------------------------------|
|--------|------------------------------|

| | |
|---|--|
| 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. As well as support for NX12 this release also includes fixes for customers moving from a pre-20.X 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. |

