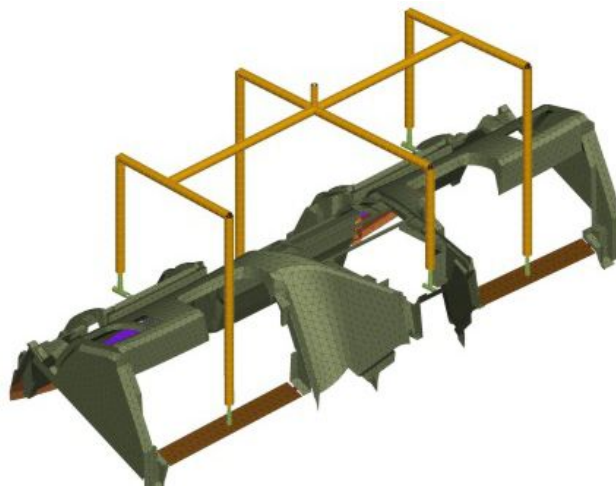


## BETA CAE Systems announces the release of the v19.0.1 of its software suite

October 19, 2018



### About this release

BETA CAE Systems announces the new v19.0.1 release of her software suite .

In this version of the KOMVOS / ANSA / EPILYSIS / META suite, new features have been added and corrections have been implemented for identified issues.

The most important enhancements and fixes implemented are listed below.

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### Enhancements and known issues resolved in ANSA

#### Enhancements in ANSA

##### General

The 'Assembly Set' has been introduced. A SET entity that, through a wizard functionality, collects other SETs that belong to different Model Browser entities.

##### Translators

When the full hierarchy path of parameters under a Part was missing, parameters could not be assigned in the corresponding Property.

## Model Browser

When outputting a Simulation Run, a check for the compatibility of the Simulation Model and the corresponding Loadcase is performed to avoid the creation of invalid output files.

## Connection Manager

Connection properties such as Diameter (D), Width (W), Height (H) SeamLine Orientation etc. are now represented and synchronized by respective xMCF 3.0 parameters.

## TOPO

Faces > Flange[Compatible]: Significant improvements increase robustness.

## SHELL MESH

Shell Mesh > Improve: It is now possible to save which of the Reshape or Reconstruct to use for the mesh improvement. This is saved in the ANSA.defaults file.

## Feature Manager

A new option to copy a feature is now available under the Context Menu>Design Actions of the feature.

## DECKs

The LS-DYNA SECTION\_BEAM\_ELFORM\_2, STYPE=10 is now converted in the equivalent ABAQUS, ANSYS beam section when switching decks.

## Kinetics

Modify Contents: The function applied for bodies now prevents from adding elements that belong to an existing flex body, to the container of a body.

## Known issues resolved in ANSA

### Translators

Import > Translators NX/ UG: Part of the geometry would be missing, after opening a specific NX11 file in ANSA with the use of the CT library.

### Model Browser

The "Reference" functionality on Subsystems used by Loadcases, would erroneously display the related Simulation Model as reference entity instead of the Loadcase.

### LS-DYNA

Input: The \*INCLUDE\_TRANSFORM would erroneously transform nodes of \*CONSTRAINED\_EXTRA\_NODES entities when the nodes were on a different include to the one containing the rigid body definition.

### Abaqus

Input: \*INITIAL CONDITIONS applied on elements with 9-digit ids would not be read.

### Kinetics

Auxiliaries > Flex Builder: Glue contact entities would not be written out properly, leading to erroneous NASTRAN files.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

## Enhancements and known issues resolved in EPILYSIS

### SOL 200: Design Optimization

Performance improvement in the sensitivities calculation phase for DRESP1 responses of type WEIGHT.

Correction to the output of results.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

## Enhancements and known issues resolved in META

### Enhancements in META

#### Decks

Medina: SKINFE/SKINFEK results are now fully supported.

PAM-CRASH: The Yamada-Sun and Puck2000 failure criteria results from ERFH5 files are now supported.

#### Occupant Injury Criteria Toolbar

Support of test results from ASCII column (csv).

#### Fatigue Haigh Diagram

Safety Factor is now calculated on corner results if available.

### Known issues resolved in META

#### Read Results

Units transformation could be incorrect or erroneously missing.

#### Strain Gauges

Results might not plotted with frequency as X Axis.

#### Curves

Reread/Recalc could change the curves' name to their original.

#### Video

MP4 files might not be output correctly since v19.0.0.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

## Compatibility and Supported Platforms

ANSA files saved by all the first and second point releases of a major version are compatible to each other. New major versions can read files saved by previous ones but not vice versa.

META Project files saved from version 19.0.1 are compatible and can be opened by META version 16.0.0 or later. To be readable by META versions earlier than v16.0.0, they have to be saved selecting the option "Version <16.0.0".

Support for 32-bit platform has been discontinued for all operating systems.

## Download

### Where to download from

Customers who are served directly by BETA CAE Systems, or its subsidiaries, may download the new software, examples and documentation from their account on our server. They can access their account through the "user login" link at our [web site](#).

Contact us if you miss your account details. The Downloads menu items give you access to the public downloads.

Customers who are served by a local business agent should contact the [local support channel](#) channel for software distribution details.

### What to download

All files required for the installation of this version reside in the folder named "**BETA\_CAE\_Systems\_v19.0.1**" and are dated as of **October 19, 2018**. These files should replace any pre-releases or other files downloaded prior to that date.

The distribution of this version of our pre- and post-processing suite is packaged in one, single, unified installation file, that invokes the respective installer and guides the procedure for the installation of the required components.

For the installation of the software on each platform type, download from the respective folders, the .sh file for Linux or the .msi file for

Windows.

In addition to the above, optionally, the META Viewer is available to be downloaded for each supported platform.

The tutorials and the example files reside in the folder named "TUTORIALS". This folder includes the complete package of the tutorials and example files, and a package with only the updated ones.

The Abaqus libraries required for the post-processing of Abaqus .odb files are included in the installation package and can be optionally unpacked.

Earlier software releases are also available in the sub-directory called "old" or in a folder named after the product and version number.