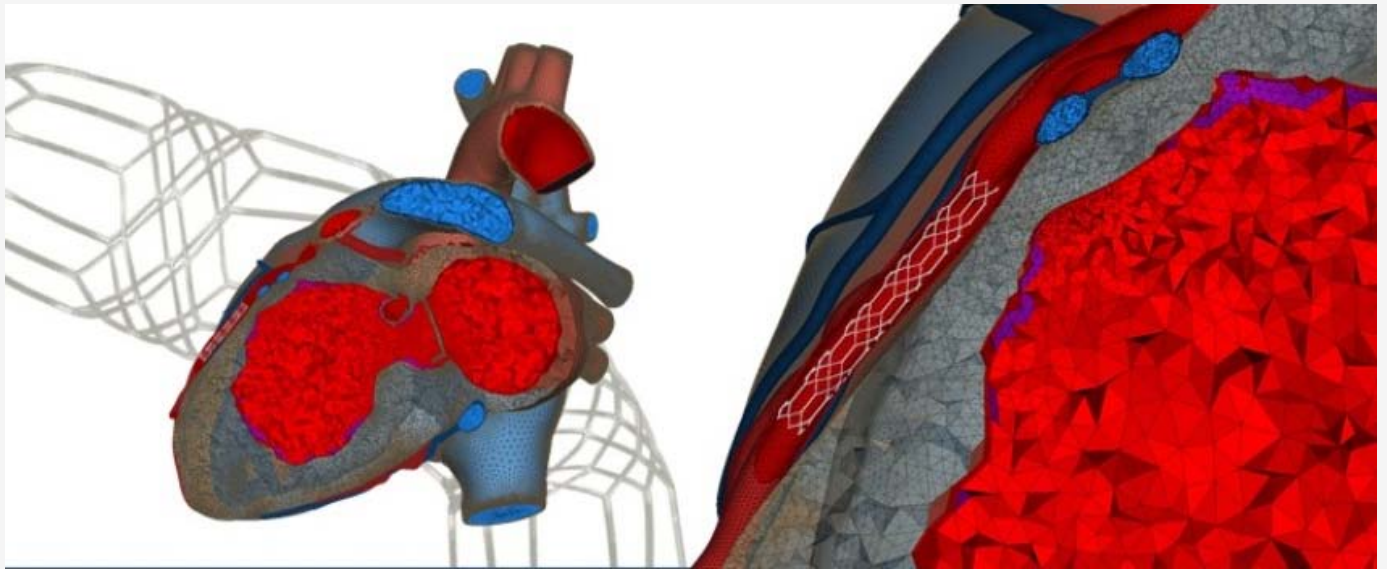


## BETA CAE Systems S.A. announces the release of ANSA & $\mu$ ETA v15.1.2



### About this release

BETA CAE System S.A. announces the release of v15.1.2 of our ANSA &  $\mu$ ETA pre- and post- processing suite. With new enhancements and fixes to identified problems, this version further enhances and improves the performance of our latest v15.1x branch.

Amongst the new enhancements and fixes of v15.1.2 the most noticeable are listed below:

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### Understanding the Software Release Schedule

#### The plan

We are committed in delivering improved and enhanced software releases, the soonest possible, in order to meet the requirement of our customers for the continuous improvement of their experience and work. Therefore, we are working in releasing new software versions with code corrections, new software features and enhancements, in regular, frequent intervals.

- A major software version is released every year.

- First point releases, such as v14.1.0, v14.2.0 and so on, with code corrections but also with additional software features and enhancements are released every three months.

- Second point releases, such as v14.2.1, v14.2.2, v14.2.3 mainly with code corrections only upon their parent first point release, are scheduled on a monthly basis.

Each software release is accompanied by a detailed description of the introduced corrections and/or additions so that our customers can decide whether it is critical to implement this release in their environment.

#### This release

This release of v15.1.2 implements code corrections, to the v15.1.1 release and the latest pre-existing releases of the 15x and 14x branches.



[Known issues resolved in ANSA](#)

[GUI](#)

Element pick selection with Shadow flag deactivated might not perform properly.

### CAD Data translation

Translating files that contained annotations might result in unexpected termination.

### Volume Mesh

Layer creation in triple bounds areas might be problematic.

### DECKs

Saving the list of nodes when having more than 10000 nodes might result in unexpected termination.

Middle nodes might be removed from Sets and Includes when converting, from 2nd to 1st order, shell elements attached to volume mesh.

Numbering Rules of Laminate Properties could not be outputted.

Abaqus: Parts connected to Fasteners might be deleted when applying Cut Model.

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



## Enhancements and known issues resolved in $\mu$ ETA

### Enhancements in $\mu$ ETA

#### Supported Interfaces

Fluent: ANSA Parts are now listed in the Part Manager.

PERMAS: NPSTS data elements are now supported.

StarCCM: The GlobalArray keyword is now supported.

#### Toolbars

CFDPost: CFX files are now supported for post-processing.

CompositePost: It is now possible to define the S13, S23, f12, f13, f23 material limits through the Setup Materials card.

Occupant Injury Criteria: Q10 and Q6 child dummies are now supported.

Occupant Injury Criteria: Radioss files are now supported for post-processing.

### Known issues resolved in $\mu$ ETA

#### General

The feature lines of 2nd order solid elements were not drawn correctly.

#### Supported Interfaces

Abaqus: Certain .inp files could not be loaded.

Abaqus: Results on axisymmetric elements were not correct.

ANSYS: In certain cases deformation results might not be correct.

ANSYS: Force vectors might not be drawn in the correct direction.

Ensignt: Ensignt models were not clipped smoothly by cut planes.

JT: Unexpected termination could occur while reading .jt files.

LS-DYNA: Parts hierarchy could not be read from erroneous d3plot.xml files.

Nastran: Unexpected termination when scanning Nastran .pch files that included more than 200 element Type33 entries.

PERMAS: the structure of PERMAS includes was not read correctly.

#### Advanced Filter

The filtering on node groups would not be correct.

The filtering of volumes of elements would wrongfully return shell elements also.

#### NVH Calculators

Unexpected termination could occur when loading a file with only model stress results (no nodal deformations) in the Model Response tool.

#### Report

Unexpected termination in case of creating a new Report Composer window with an existing name.

Adding date textboxes on slides could result in saving a corrupted pptx file.

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.

The .metadb files saved with  $\mu$ ETA version 15.1.2 are compatible and can be opened by earlier versions of  $\mu$ ETA.

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



### Download

#### Where to download from

Customers who are served directly by BETA CAE Systems S.A. 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 <http://www.beta-cae.gr>  
Contact us if you miss your account details. The [ Public ] link will give you access to the public downloads area.  
Customers who are served by a local business agent should contact the local support 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\_v15.1.2**" and are dated as of **September 26<sup>th</sup>, 2014**. 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, the .sh installer file residing in the folder with respective platform name, for Linux and MacOS or the respective .msi installer file for Windows, 32bit or 64bit, have to be downloaded.

In addition to the above, optionally, the  $\mu$ ETA 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.



### Documentation

#### New tutorials

ANSA: Topo Mesh: Cavity mesh wizard

ANSA: Kinetics: Contact Simulation of a Valvetrain model.

