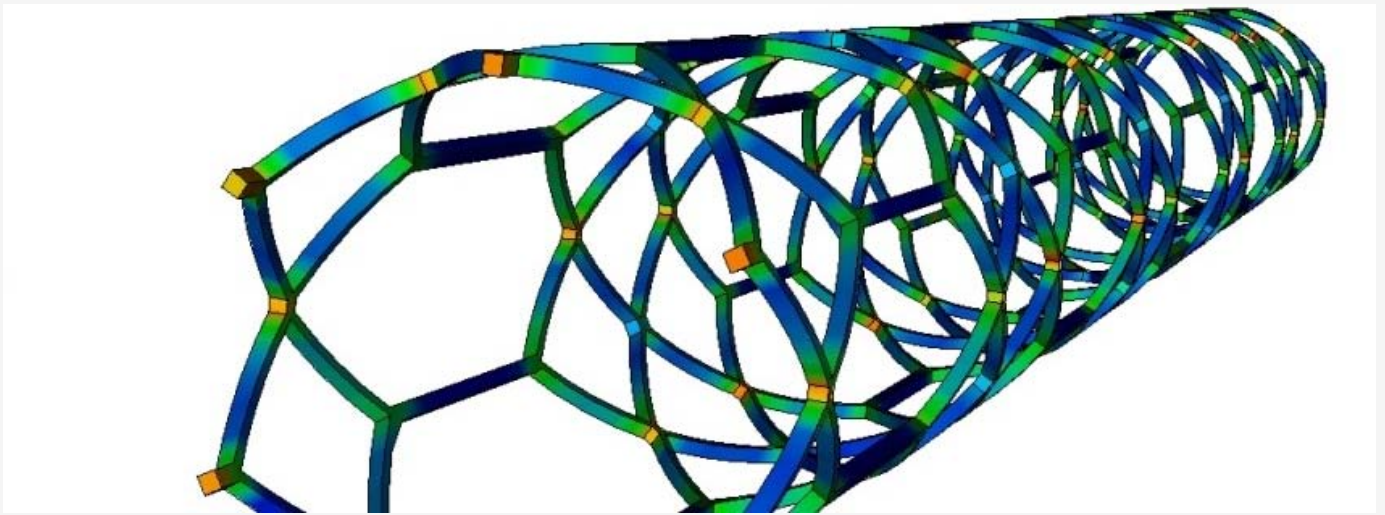


**BETA CAE Systems S.A.**  
announces the release of  
**ANSA &  $\mu$ ETA v15.0.3**



## About this release

Further increasing the reliability of the v15.0x branch, BETA CAE Systems S.A. announces the release of the v15.0.3 ANSA &  $\mu$ ETA pre- and post- processing suite. This maintenance release focuses on the correction of identified issues for the ANSA /  $\mu$ ETA 15.0x branch and is addressed to those who wish to continue to use the v15.0x branch -and not upgrade to v15.1x branch- with its issues resolved. These corrections have also been propagated to the latest releases of the 15.1x branch, ie v15.1.1.

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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 v15.1.0, v15.2.0 and so on, with code corrections but also with additional software features and enhancements are released every three months.
- Second point releases, such as v15.2.1, v15.2.2, v15.2.3 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 v15.0.3 implements code corrections, to the v15.0.2 release and the latest pre-existing release of the 14x branch. These corrections have also been propagated to the latest releases of the 15.1x branch, ie v15.1.1.



### [Known issues resolved in ANSA](#)

#### [Parts Manager](#)

When a part was unmeshed, its mass would be zero in the Part Manager's attributes.

## Compare

Comparing two databases with more than five thousands PLINKs, could cause unexpected termination.

## TOPO

Database Browser: Deleting entities from "Geometry" list could cause unexpected termination.

## Mesh

Elements: Selecting three nodes, that all belonged to polygon elements, to create a tria element could result in unexpected termination.

Shell Mesh: SETs containing Shell elements affected by reconstruct would not be updated properly.

Volume Mesh: The performance issue with Define [Auto Detect] has been fixed.

## Batch Meshing

The result of the proximity refinement from CFD Batch Mesh procedure was not always correct.

## Decks

NASTRAN: During Input, the SDIST and EXT fields of \*BGSET keyword would be ignored.

PAM-CRASH: Outputting a database containing SETs with names of 80 or more characters, in PAM-CRASH version 2012 or newer, could result in unexpected termination.

For more details about the new software features, enhancements and corrections please, refer to the [Release Notes](#) document.



## Known issues resolved in μETA

### Supported Interfaces

PAM-CRASH:

- Results from DIFFCrash would not be read.
- In certain cases PLINKS would not be read from .pc files.
- Unexpected termination could occur when reading .pc files with wrong SENPTG definition.

LS-DYNA:

- Incorrect Solid skin when reading from d3plot files.
- Beam sections displayed with wrong radius.
- Unexpected termination when reading results from specific d3plot files with airbag particles.
- Plotting curves from specific LS-DYNA binout files on MS-Windows workstations could cause termination.

Abaqus:

- Contact status results might be loaded incorrectly.

ANSYS:

- Wrong element nodal forces were displayed on midside nodes of second order tria elements.

PERMAS:

- Unexpected termination when plotting curves of results from .post files.

U3D:

- Follow Node Transformations were not supported for U3D PDF files.

MotionSolve:

- The animation of Flex Bodies' deformations would not be performed correctly.

### NVH Calculators

In the Modal Response tool, for load types other than forces, the calculated responses would be incorrect.

Energy results would not be plotted in the FRF Assembly tool.

When setting a zero End Frequency in the FRF Assembly tool, unexpected termination could occur.

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 μETA version 15.0.3 are compatible and can be opened by earlier versions of μETA.

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\_v15.0.3**" and are dated as of **July 9<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 following files have to be downloaded:

- 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, and
- the tutorial example files that reside at the top level of the folder of this distribution.
- In addition to the above, optionally, the μETA Viewer is available to be downloaded for each supported platform.

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

Previous software releases can be found in the sub-directory called "old" or in a folder named after the product and version number.



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