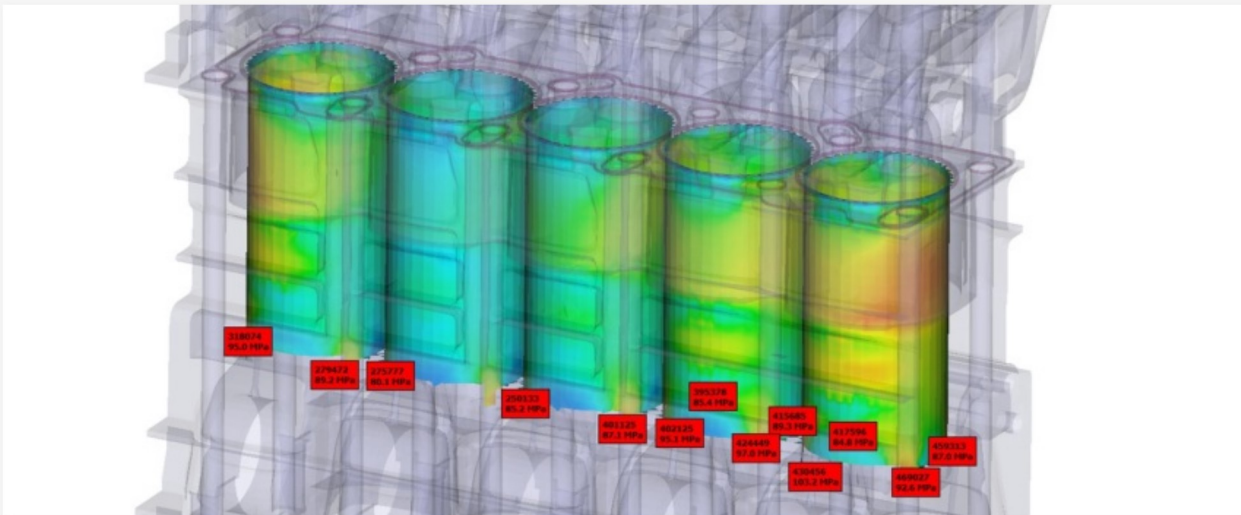# BETA CAE Systems announces the release of ANSA & μETA v15.3.3

About this release

BETA CAE Systems S.A. announces the release of the maintenance version 15.3.3 of its software suite.

This maintenance release is focused on the correction of identified problems and issues for the ANSA & META , and is addressed to those who wish to continue to use the v15.3x branch with its issues resolved and not το upgrade to v16x.

The most fixes implemented in v15.3.3 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 v15.1.0, v15.2.0, v15.3.0 and so on, with code corrections but also with additional software features and enhancements are released every three months.

- Second point releases, such as v15.3.1, v15.3.2 etc. 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 v15.3.3 brings code corrections on v16.3.2.

Known issues resolved in ANSA

General

Reading an ANSA defaults file created in v15.2.3, could result in syntax errors in newer ANSA versions.

Loading a "layout definition" .xml file, might not produce the expected GUI structure.

Applying Near function, with "Dense search" option activated, would create extra nodes.

Quality Criteria would be saved as having mm units, ignoring the current units set in ANSA.

Data Management

During saving a representation, several attributes of Nodes (name, comment, Frozen

ID, etc.) might not be saved.

Shell Mesh

Wrap [Variable Length]: Scale Base Length option would not be respected by the procedure.

Creating a Surf. Wrap task in Task Manager, could result in unexpected termination.

Solver DECKs

COG of a BEAM defined with offset vectors, was not calculated correctly.

Output *END keyword (LS-DYNA) changed position in output file, even when the include file had been marked as inline and read-only.

NASTRAN: PBUSHT keyword lines could be erroneously written in output file.

LS-DYNA: Fields of Variables of *DEFINE_CURVE cards, would accept up to seven digits only.

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

Known issues resolved in META

Supported Interfaces

Fixed performance issue of reading femzip-compressed Nastran files on Linux OS.

Fixed performance issue, since version 15.2.0, of reading certain Abaqus *.inp files has been improved.

Loading a PERMAS model with element orientation assigned through the MATREF keyword could cause unexpected termination.

Groups

Calculating distance between groups that contained line elements might cause unexpected termination.

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 META version 15.3.3 are compatible and can be opened by earlier versions of META.

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 [PublicDir] 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 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_v15.3.3"** and are dated as of **December 3, 2015.** 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, 64bit, have to be downloaded.

In addition to the above, optionally, the μETA 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.