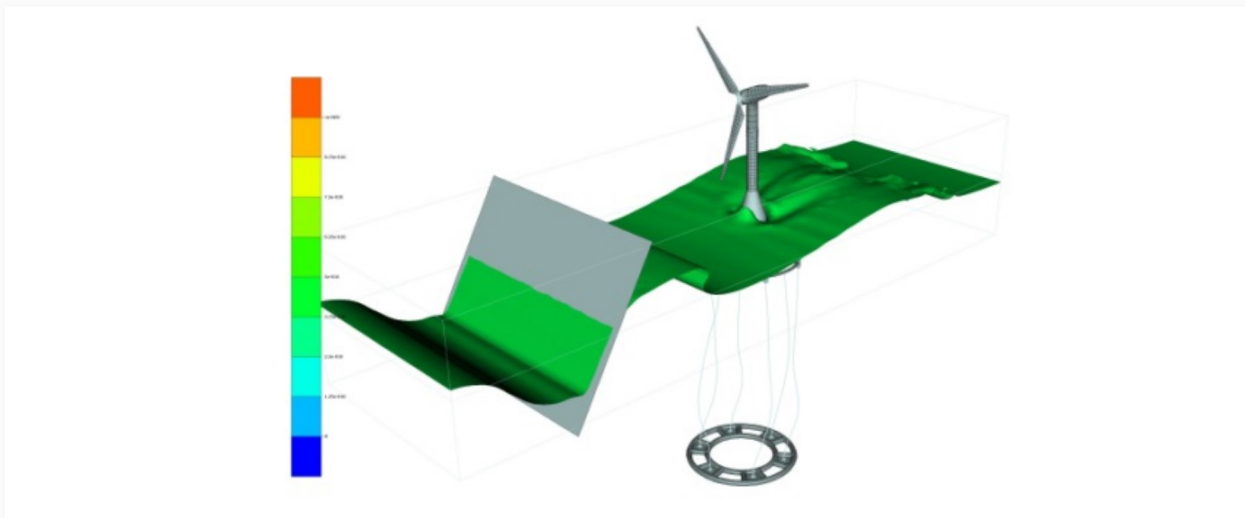


April 24, 2015

BETA CAE Systems announces the release of ANSA & META v15.2.4



About this release

BETA CAE System S.A. announces the release of v15.2.4 of ANSA / META pre- and post- processing suite. This maintenance release focuses on the correction of identified problems and issues for ANSA and META.

The most important fixes resolved 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 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 v15.2.4 implements enhancements and code corrections on the v15.2.x branch.
Note that ANSA / μ ETA v15.2.1 had been revoked.



Known issues resolved in ANSA

General

The slow response to user handling issue, for certain connections draw modes has been resolved.

CAD Import / Export

Certain cases of unexpected termination with NX files, translated with Open library in windows OS.

Connections & Assembly

Connection Lines realization performance has been optimized.

Seamwelds: The [+2] offset rule for the PID assigned to the Heat Affected Zone (HAZ) area, during realization, could result in conflicts with existing PIDs.

FEMSITE-SPOTWELD: In certain cases, realization could result in unexpected termination.

Mesh

Reading Quality Criteria data created with older version could result in syntax error messages.

Batch Meshing

Running Batch Mesh might remove Hot Points from characteristic positions on CONS.

Morphing

Frozen Nested element would not respect the defined Smooth zones in their card.

DECKs

Deck Info: ADDED MASS might not be included in SCALED MASS total.

Checks Penetration > Proximities: The checking tool would consider "Check same PIDs" option when inactive.

ELEMENTs UTIL [Change Order] performance, when applied on Shells of Facets belonging to SETs, has been improved.

PERMAS: The compatibility issue, when outputting Contact or Pretension definitions containing DISTOL or OUTTOL values, has been solved.

LS-DYNA: Inputting an LS-DYNA file in M00 format, could result in changes in the hierarchy tree and Module IDs. The issue with information missing from the M00 hierarchy tree when outputting has been resolved.

Scripting

Topo: A new function named FacesExtendTarget for extending faces has been added.

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

New features in META

Supported interfaces

FEMZIP-N 1.5.1 files are now supported.

RadTherm versions up to v11.3 are now supported.

User Toolbars

The CFDPost toolbar now supports the reading of FEMZIP-compressed OpenFOAM files.

Various improvements and new features in the Occupant Injury Criteria toolbar.

Known issues resolved in META

Supported Interfaces

Model geometry from Abaqus .odb files, the *ORIENTATION keyword was not read correctly from the corresponding .inp file within the same folder.

Reading results from ANSYS .rth files could lead to unexpected termination.

Wrong ANSYS results read in certain cases when the Average, Compute read option was used.

Wrong ANSYS results on User and Global Coordinate systems could be read in certain cases.

When reading FEMZIP-N .op2 files, only one result state/subcase would be recognized.

Reading Nastran design variables could lead to unexpected termination.

Reading Nastran composite stresses for all layers could lead to unexpected termination.

Nastran .pch files with Pressure vs Time results might not be read.

When reading results on local coordinate systems from .unv universal files, the results would be recognized erroneously on the global coordinate system.

When reading LS-DYNA composite parts *PART_COMPOSITE the material offset would not be considered.

Results from Optistruct .op2 files, kinetic and damping energy results were unreadable.

Radioss results Signed Von Mises and Signed Max Pressure were not calculated correctly.

When reading model geometry from RadTherm .tdf files, volume elements would not be visible.

Results read from Star-CCM+ .sim files would not be correct if multiple solid parts existed.

The handling of certain Tecplot degenerate hexa cases was incorrect.

NVH Calculators

Unexpected termination when merging models, after running an FRF-Assembly analysis.

Unexpected termination when setting the Transient Response time in the Modal Response tool.

Wrong MAC plots when correlating Nastran and Abaqus results.

Identify

Wrong curves were produced when plotting corner or integration point results.

Cut Planes

Reading model geometry from ANSYS .cdb files, cut Planes were not generated automatically for pre-tension sections.

Section Forces

Unexpected termination when calculating Section Forces from certain ANSYS results files.

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

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



Documentation Updates

ANSA

New tutorial, CFD: HVAC study with Kinetics tools.

Updated document, User's guide: NVH Console.

META

Updated Users Guide, available in the Help menu.

New document guide for the Critical Areas toolbar.

New basic tutorial and additional features added in the NVH documentation.



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 <https://www.beta-cae.com>

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_v15.2.4**" and are dated as of **April 24, 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 μ 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.

