



What's New

Service Pack 1 for CAESAR II 2011 R1

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This document details the changes made to CAESAR II 2001 R1 for Service Pack 1. Service Pack 1 upgrades CAESAR II versions 5.30 and 5.31 to version 5.31.01. This information can also be found in the build.txt file installed with the CAESAR II, which you can access by selecting **Help>On Line Documentation>Build.txt File** from the main menu.

Enhancements for Service Pack 1

The following enhancements were made for this service pack:

File Compression Changes

File compression was removed, except for when switching files, to improve efficiency. (TR-TX-4478)

Modified Build Date

The Build Date for the C2.exe was revised for the current service pack update.

Revisions for Service Pack 1

The following revisions (corrections) were made for this service pack:

Load Case Editor Revisions

- Corrected a potential problem reading the load case template file when selecting the **Recommend** button in Static Analysis. (TR-TX-4036)

Statics Revisions

- Corrected the determination of the hoop allowable stress for B31.8 VIII. (TR-TX-3952)
- Corrected the reporting of the governing code stress for the DNV code. (TR-TX-4131)
- Updated the hoop stress calculation for PD-8010-2. (TR-TX-3737)
- Corrected the B2 index computation for the branch leg for the NC/ND codes. (TR-TX-2773)
- Corrected the implementation of the branch SIF equation for the NC/ND codes. (TR-TX-4318)
- Added a warning message that prompts you if hydro-pressure is defined without Sy.
- Modified the carry-forward of Sy values.
- Set default Wc values and added additional error and warning messages. (TR-TX-3682)

Dynamics Module Revisions

- Fixed the **Setting** box behavior regarding default values on the **Control Parameter** and **Advanced** tabs in Dynamic Analysis. (TR-TX-4217)
- Added missing units to Dynamic Input column headers. (TR-TX-3254)
- Corrected the formulation of the mass matrix for elements with refractory lining. (TR-TX-3256)

Piping Input and User Interface Revisions

- Corrected a potential crash with floating modeless error message dialogs in Static Analysis. (TR-TX-3279)
- Corrected a configuration issue with new installations to prevent Umat1.umd from being overwritten. (TR-TX-3950)
- Corrected the copy (conversion) of the c2DB file when the input and output job names are the same.
- Corrected the operation of the **Browse** button in the **File Open** dialog box. (TR-TX-4085)
- Corrected an EJMA units conversion display issue. (TR-TX-586)

- Disabled the Note 10 checkbox for NC/ND welding tees as it did not apply there. (TR-TX-2773)
- Adjusted to the block flip counter.

Output and Export Revisions

- Corrected restraint export for models with the Z-axis up. (TR-TX-3264)
- Addressed jobs with multiple piping codes. (CR-TX-3236)
- Corrected the **Annotation** function in the Isometric module for input data display. (TR-TX-3241)

Input Graphics Revisions

- Added the **Hide Overlapping Text** option in the **Plot Settings** dialog box.
- Added pipe density values to the plot legend for materials extracted from the database. (TR-TX-1914)
- Optimized the display/plotting of node names.
- Corrected the display of anchor symbols (to keep as a square) when changing colors or when clicked upon in the plot.
- Corrected the **Annotation** function for input data display. (TR-TX-3241)

External Interfaces Revisions

- Corrected the file browse functionality in the LIQT external interface. (TR-TX-937)

PCF and Apcf Interfaces Revisions

- Corrected a crash issue with **Tap-Connection**. (TR-TX-3396)
- Corrected an issue with the import of double-tee geometry. (TR-TX-2752)
- Addressed issues in the restraint mapping file to handle extra spaces in names. (TR-TX-3748)
- Added additional spelling alternatives to component names. (TR-TX-3396)
- Corrected the handling of the word "grade" in the material name mapping while importing PCF.

ISOGEN Generation Revisions

- Corrected a C2Isogen-related issue with closing and saving annotations (add node numbers).

Soil Modeler Revisions

- Corrected data saving upon exiting with "X".
- Corrected the initialization of units for additional structural files. (TR-TX-1775)

Equipment Module Revisions

- Corrected an EJMA units conversion display issue. (TR-TX-586)

WRC Module Revisions

- Corrected issues with lost re-pad data.
- Corrected the WRC module to properly update loads from piping analysis output files. (TR-TX-1332)
- Corrected applied load rotation when using the Z-axis vertical. (TR-TX-2824)
- Fixed the ability to export to MS Word without running an analysis. (TR-TX-3348)

- Corrected the units conversion of additional 107/297 components. (TR-TX-1736)
- Corrected the directory browse operation to include trailing backslash and to test for an empty job name. (TR-TX-4224)