ANSYS Workbench Class3

Error Report

ERROR NO:

WB2013-14

Keywords:

ENGINEERING DATA   MATERIAL PROPERTIES   MECHANICAL

Description of Error:

Material data is transferred to Mechanical but is not assigned to any bodies. Mechanical is closed causing the material data to be saved with Mechanical. An edit to the unused material in Engineering Data will not be reflected in Mechanical unless changes, other than the material refresh, are also made in Mechanical before closing Mechanical. If the previously unused material is subsequently assigned to a body in Mechanical, the material data used will not match that in Engineering Data. Scenario to reproduce the Defect:

1. A material is added to Engineering Data, which is transferred to Mechanical but not assigned to any bodies.
2. Mechanical data is saved to disk by a refresh of the Model cell if Mechanical was not opened or closing Mechanical.
3. The material not used in Mechanical is modified in Engineering Data, causing the Model cell to be in a "Refresh Required" state.
4. The Model cell in the Mechanical system is refreshed to consume the materials from Engineering Data.
5. If the Mechanical window is open, no other changes are made in Mechanical and the Mechanical window is closed.
6. Mechanical is opened and a previously unused material is assigned to one or more bodies.
7. The material data used for the solution will not match the data displayed in the Engineering Data .

Typical GUI Path(s):

Mechanical System

Other Comments:

To determine if a solved project has incorrect information caused by this defect, add a material to Engineering Data in a Mechanical System and then refresh the Mechanical System. If the system is still in an "Up-To-Date" state, then the material data is correct. If the material data in Mechanical doesn't match that in Engineering Data then the system will be in an "Update Required" state.

First Incorrect Version:

Release 12.0

Corrected In:

Release 15.0

Suggested User Action For Running on Uncorrected Version:

When making use of a material which has not been used previously in Mechanical, view the report via the Report Preview tab to verify that the material data matches that in Engineering Data. If it does not, go back to Engineering Data and add a material to force an update of the data.

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