



STEP AP242 Benchmark



Test report for the STEP AP242 Benchmark #3

PDM test cases - Long Report

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Abstract

The STEP AP242 Benchmark is an AFNeT and prostep ivip associations project with the support of several industry associations (GIFAS, PFA).

The objective of this benchmark is to provide a public status of STEP AP242 functionalities available for operational use, tested by the industry and to identify limitations of the tested PLM COTS AP242 applications.

This Benchmark #3 includes two types of test cases: CAD and PDM test cases. This document presents the test suites of the PDM test cases.

The tests are based on exchange of PDM information, correctness and conformity of the STEP files, fulfilment of end-to-end assembly validation properties, and end-user validation. Furthermore, the test results are derived to provide conclusions on the general maturity of STEP AP242 BO Model XML based implementations, related to the main PDM functionalities.

Related websites

AP242 project: <http://www.ap242.org/>

AP242 Benchmark: <http://benchmark.ap242.org/>

PDM-IF: <http://www.pdm-if.org/>

CAX-IF: <http://www.cax-if.org/>

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