



JT Application Benchmark

prostep ivip / VDA Long Report
9th JT Application Benchmark
Version 1.0

Abstract

The JT Application Benchmark is a project of the prostep ivip Association (PSI) and the German Association of the Automotive Industry (VDA). Aim of the benchmark is the fair capability assessment and improvement of interoperability between currently available JT applications.

It is composed of two building blocks: a test case focused on JT geometry with the optional extensions Semantic Product & Manufacturing Information (PMI) and Validation Properties, and a test case B concentrating on the combination of AP242 XML assembly structure with JT geometry with the optional extensions Kinematic Mechanism and Validation Properties.

The objective in both test cases is the correct data exchange of geometry, product structure and metadata from CAD to JT and STEP AP242 XML on the one side, and from JT and STEP AP242 XML back to CAD on the other.

Consuming applications are also tested, with the focus on the abilities of the application to load the generated JT and STEP AP242 XML models and display geometry, product structure, metadata, and PMI annotations.

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