

prostep ivip / VDA

8th JT Application Benchmark Long Report

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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 translation quality benchmark, where interoperability effectiveness of JT translators is examined from CAD to JT and JT to CAD as well as a viewer benchmark, where the abilities of viewers in reading and displaying the generated files are tested.

The focus in translation quality 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. Also, the transfer of graphical PMI annotations is examined.

The viewer tests focus on the abilities of the viewer to load the generated JT and STEP AP242 XML models and display geometry, product structure, metadata and PMI annotations.

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Table of Contents

Abstract	ii
Disclaimer	iii
Copyright	iii
Table of Contents	iv
List of Figures.....	vi
List of Tables.....	vi
1 Introduction.....	1
2 Approach	1
2.1 Four Steps	2
2.2 Building Blocks	3
2.3 Documentation	3
3 Criteria	3
3.1 Translation Quality Benchmark.....	3
3.1.1 Structural Criteria	4
3.1.2 Geometry Criteria	4
3.1.3 Attribute Criteria	4
3.2 Viewer Benchmark.....	5
4 Testing	5
4.1 Test Environment.....	5
4.2 Configuration and Settings	6
4.3 Translation Quality Benchmark.....	6
4.3.1 Tested Translators	6
4.3.1.1 Elysium: ASFALIS	7
4.3.1.2 Siemens PLM: JT bi-directional translator for CATIAV5	7
4.3.1.3 Siemens PLM: JT translator for ProE/Creo	7
4.3.1.4 Siemens PLM: NX.....	8
4.3.1.5 Theorem: CADverter.....	8
4.3.1.6 T-Systems: COM/FOX	8
4.3.2 Assembly Test Models	8
4.3.3 PMI Test Models	9
4.3.4 Testing Procedure.....	12

8. prostep ivip / VDA JT Application Benchmark

Long Report

Version 1.0, 28.02.2019

4.4 Viewer Benchmark.....	12
4.4.1 Tested Viewing Applications.....	12
4.4.1.1 Siemens PLM JT2Go.....	12
4.4.1.2 TECHNIA LiteBox3D	12
4.4.1.3 Siemens PLM Teamcenter Vis Base & Professional	12
4.4.1.4 Fraunhofer IGD instant3Dhub	12
4.4.2 Test Models	13
5 Results	13
5.1 Translation Quality Benchmark Results.....	13
5.1.1 CAD to JT and STEP AP242 XML Test Results	13
5.1.1.1 Elysium ASFALIS	17
5.1.1.2 Siemens PLM JT bi-directional translator for CATIA V5.....	20
5.1.1.3 Siemens PLM JT translator for ProE/Creo	21
5.1.1.4 Siemens PLM NX.....	22
5.1.1.5 Theorem CADverter.....	23
5.1.1.6 T-Systems COM/FOX.....	24
5.1.2 JT and STEP AP242 XML to CAD Test Results	25
5.1.2.1 Elysium ASFALIS	29
5.1.2.2 Siemens PLM JT bi-directional translator for CATIA V5.....	33
5.1.2.3 Siemens PLM NX.....	34
5.1.2.4 Theorem CADverter.....	35
5.1.2.5 T-Systems COM/FOX.....	36
5.1.3 Additional Statement on Geometry Results.....	37
5.2 Viewer Benchmark Results	38
5.2.1 Siemens PLM JT2Go.....	40
5.2.2 Siemens PLM Teamcenter Visualization.....	42
5.2.3 Fraunhofer IGD instant3Dhub	44
5.2.4 TECHNIA LiteBox3D	46
6 Summary and Outlook.....	48
7 Acknowledgements	48

List of Figures

Figure 1: Process and involved actors	2
Figure 2: Torque converter test model	9
Figure 3: Vise test model.....	10
Figure 4: Testing procedure for CAD-JT-CAD benchmark	12
Figure 5: Overview of CAD to JT and STEP AP242 XML test results.....	14
Figure 6: Results for geometry checks	14
Figure 7: Results for assembly tests.....	15
Figure 8: Results for attributes in STEP AP242 XML + JT assemblies regarding attributes stored in JT	15
Figure 9: Results for attributes in STEP AP242 XML + JT assemblies regarding attributes stored in STEP AP242 XML	16
Figure 10: Results for attributes in monolithic JT assemblies.....	16
Figure 11: Results for PMI	17
Figure 12: Overview of JT and STEP AP242 XML to CAD test results.....	26
Figure 13: Geometry results for JT and STEP AP242 XML to CAD.....	26
Figure 14: Assembly test results for STEP AP242 XML + JT to CAD.....	27
Figure 15: Assembly test results for monolithic JT to CAD	27
Figure 16: Attributes test results for JT and STEP AP242 XML to CAD	28
Figure 17: Attributes test results for monolithic JT to CAD	28
Figure 18: PMI test results for JT and STEP AP242 XML to CAD	29
Figure 19: Overview of JT and STEP AP242 XML viewer test results	38
Figure 20: File load test results	39
Figure 21: Assembly structure and attribute viewer test results	39
Figure 22: Viewer test results for PMI	40

List of Tables

Table 1: List of checked JT attributes in the CAD-JT-CAD benchmark	5
Table 2: Vendor participation in the translation quality benchmark	6
Table 3: Benchmarked JT translators and supported CAD formats in the CAD to JT tests.....	6
Table 4: Benchmarked JT translators and supported CAD formats in the JT to CAD tests.....	7

8. prostep ivip / VDA JT Application Benchmark

Long Report

Version 1.0, 28.02.2019

Table 5: PMI Annotations in test models	11
Table 6: CATIA V5 to JT and STEP AP242 XML test results for ASFALIS	18
Table 7: Creo 4 to JT and STEP AP242 XML test results for ASFALIS.....	19
Table 8: NX 11 to JT and STEP AP242 XML test results for ASFALIS.....	20
Table 9: CATIA V5 to JT and STEP AP242 XML test results for JT bi-directional translator for CATIA V5	21
Table 10: Creo 4 to JT and STEP AP242 XML test results for JT translator for ProE/Creo	22
Table 11: NX 11 to JT and STEP AP242 XML test results for NX.....	23
Table 12: CATIA V5 to JT and STEP AP242 XML test results for CADverter	24
Table 13: CATIA V5 to JT and STEP AP242 XML test results for COM/FOX.....	25
Table 14: JT and STEP AP242 XML to CATIA V5 test results for Elysium ASFALIS.....	30
Table 15: JT and STEP AP242 XML to Creo 4 test results for Elysium ASFALIS	31
Table 16: JT and STEP AP242 XML to NX 11 test results for Elysium ASFALIS	32
Table 17: JT and STEP AP242 XML to CATIA V5 test results for JT bi-directional translator for CATIA V5	33
Table 18: JT and STEP AP242 XML to NX test results for NX.....	34
Table 19: JT and STEP AP242 XML to CATIA V5 test results for CADverter	36
Table 20: JT and STEP AP242 XML to CATIA V5 test results for COM/FOX.....	37
Table 21: Test results for JT2Go	41
Table 22: Test results for Teamcenter Visualization	43
Table 23: Test results for instant3Dhub.....	45
Table 24: Test results for LiteBox3D	47