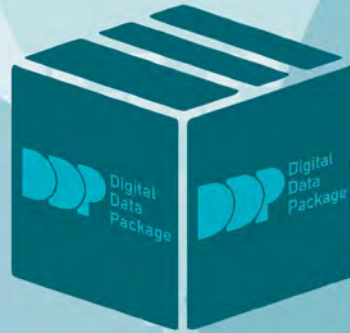




prostep ivip

Recommendation

Digital Data Package



prostep ivip Recommendation PSI 30

Digital Data Package

DDP Recommendation

Version 1.0

Abstract

This prostep ivip / VDA Recommendation has been published by the Digital Data Package (DDP) working group.

The DDP defines a standardized container format for the exchange of machine-readable and human-readable product data. It allows the exchange of, as well as the collaboration on semantic product data that is linked across different standard formats and domains across the entire product lifecycle. DDPs can be used within an organization, as well as for data exchange and collaboration with partners, customers, and suppliers.

The digital data package is based on standardized neutral formats such as ReqIF, SysML XMI, STEP AP242, VEC, etc. rather than a multitude of proprietary data formats. This ensures that the DDP is closely linked to the results from standardization committees and the projects in the prostep ivip Association. In addition to format-specific working groups such as the JT WF and SysML WF, these include in particular the Standardization Strategy Board (SSB) as the governing body for defining relevant standards and formats, and the Integration Collaboration Framework (ICF) as a cross-domain integration project.

The data model defined for and used in the DDP, has been aligned with the ICF working group and will also be used and extended in the Collaborative Systems Engineering (CSE) working group.

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Abbreviations, Definitions, References

3D MDM.....	<i>3D Measurement Data Management</i>
3MF.....	<i>3D Manufacturing Format</i>
AMF.....	<i>Additive Manufacturing File Format</i>
ANÜ.....	<i>Arbeitnehmerüberlassung/Personnel leasing</i>
AP.....	<i>Application Protocol</i>
API.....	<i>Application Interface</i>
ASAM.....	<i>Association for Standardization of Automation and Measuring Systems</i>
BWE.....	<i>German Wind Energy Association</i>
CAE.....	<i>Computer Aided Engineering</i>
CDLC.....	<i>Cross-Discipline Lifecycle Collaboration Forum</i>
CSE.....	<i>Collaborative Systems Engineering</i>
FAV.....	<i>Fabricatable Voxel</i>
FDX.....	<i>Functional Data Exchange</i>
FMI.....	<i>Functional Mock-up Interface</i>
GPM.....	<i>German Association for Project Management</i>
HTML.....	<i>Hypertext Markup Language</i>
ICF.....	<i>Integrated Collaboration Framework</i>
ID.....	<i>Identifier</i>
IDX.....	<i>Interdomain Design Exchange</i>
IT.....	<i>Information Technology</i>
JT.....	<i>Jupiter Tessellation</i>
KBL.....	<i>Kabelbaumliste</i>
LOTAR.....	<i>Long Term Data Archiving</i>
MBSE.....	<i>Model Based Systems Engineering</i>
MoSSEC.....	<i>Modelling and simulation information in a collaborative systems engineering context</i>
ODS.....	<i>Open Data Services</i>
OEM.....	<i>Original Equipment Manufacturer</i>
OMG.....	<i>Object Management Group</i>
OSLC.....	<i>Open Services for Lifecycle Collaboration</i>
PDF.....	<i>Portable Document Format</i>
PDM.....	<i>Product Data Management</i>
PDM4VES.....	<i>Product Data Model for Vehicle Electric Systems</i>
PDQ.....	<i>Product Data Quality</i>
PLCS.....	<i>Platform Specific Model</i>
PLM.....	<i>Product Lifecycle Management</i>
PMI.....	<i>Product Manufacturing Information</i>
PoC.....	<i>Proof of Concept</i>
PSM.....	<i>Project Schedule Management</i>

R&D	<i>Research & Development</i>
RDF	<i>Resource Description Framework</i>
ReqIF	<i>Requirements Interchange Format</i>
RM-tools	<i>Requirements Management Tools</i>
SE	<i>Simultaneous Engineering</i>
SpecIF	<i>Specification Integration Facility</i>
SSB.....	<i>Standardization Strategy Board</i>
SSP	<i>System Structure and Parameterization</i>
STEP	<i>Standard for the Exchange of Product Model Data</i>
STL	<i>Standard Tessellation Language</i>
SysML.....	<i>Systems Modeling Language</i>
URL.....	<i>Uniform Resource Locator</i>
VDA	<i>Verband der Automobilindustrie</i>
VEC	<i>Vehicle Electric Container</i>
WF	<i>Workflow-Forum</i>
XMI	<i>XML Metadata Interchange</i>



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