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Additional Resources

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Additional experts	Rolf Bosse
Short Description/ Transmitted Information	<ul style="list-style-type: none"> • STEP AP242 defines a data format for interoperability, Data Sharing and long term archiving • Supplier Integration
Application Scope	<ul style="list-style-type: none"> • Exchange of Product Structure Data incl. Metadata • Long Term Archiving
Maturity	<ul style="list-style-type: none"> • Productive Usage
Goals	<ul style="list-style-type: none"> • Standardized description format for Product Structure & Meta data • In combination with STEP AP242 or JT also 3D geometry and kinematics could be managed
Penetration	<ul style="list-style-type: none"> • Individual expert teams • Individual domains • Internal cross-domain processes • External collaboration processes
Visibility	<ul style="list-style-type: none"> • >80% (Known throughout product engineering)..
Promoting Bodies	<ul style="list-style-type: none"> • prostep ivip Association
Type	<ul style="list-style-type: none"> • ISO Standard
IT Standard Classification	<ul style="list-style-type: none"> • Interoperability Standard
Data Format	<ul style="list-style-type: none"> • Text Format (XML)
Relations to other standards	<ul style="list-style-type: none"> • STEP AP242, JT
Overlap with other standards	<ul style="list-style-type: none"> • JT...

Available accompanying documentation (Software vendors)	<ul style="list-style-type: none"> • Use Cases, Guidelines, Best Practice Examples • Best Practices
Available accompanying documentation (Industry Users)	<ul style="list-style-type: none"> • ...
Available accompanying documentation (Management)	<ul style="list-style-type: none"> • ...

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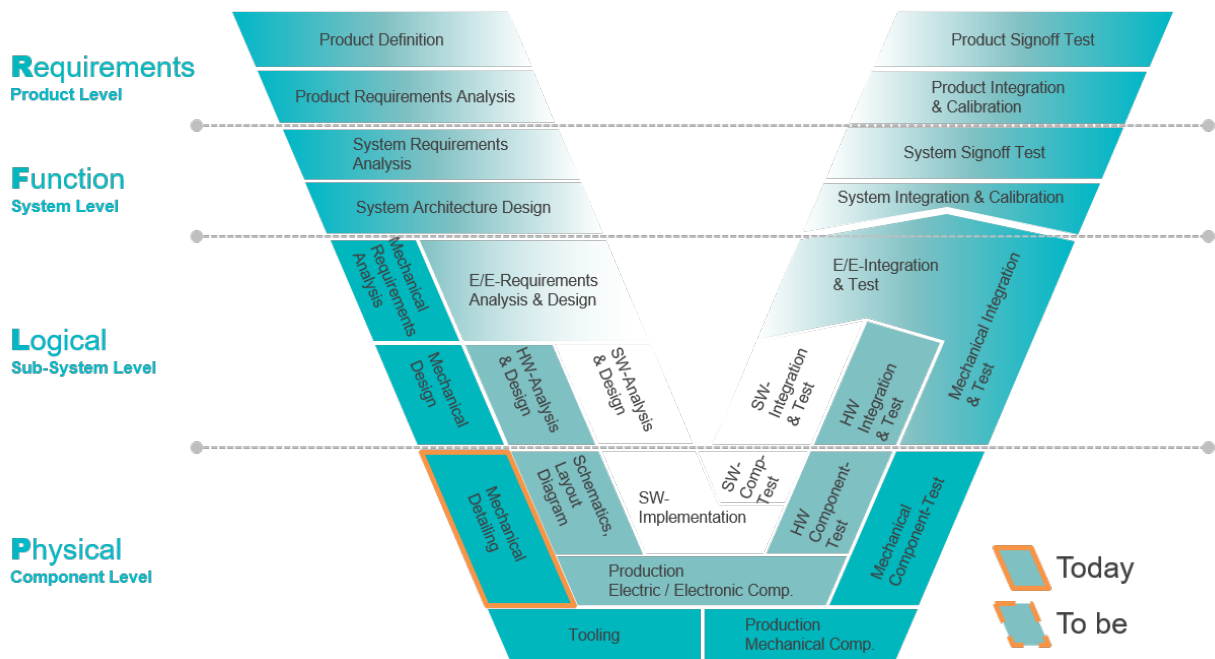
Additional Resources

- STEP AP 242 provides all the functionalities covered by the AP 203 ed2 and AP 214 ed3. With AP242 it was introduced the usage of XML for product structure and meta data

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Positioning of ISO10303-3001 in V-Model



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- STEP AP242 XML will replace STEP AP203 & AP214 exchange
- In combination with STEP AP242 or JT for geometry
- This data format could be also used for data sharing as basis for technologies as OSLC
- The benefits of using STEP AP242 XML are
 - a CAD/PLM editor independent solution as 3rd party tools exists
 - a solution for exchanging data between different toolsets
 - support of exchanging data across companies borders (supply chain)
 - Support of data migration between different releases or even systems

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- **Due to customization of PLM systems** STEP AP242 XML need to be adopted/mapped
- Common understanding of rules required (e.g. configuration management, validities/effectivities or naming rules)

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Additional Resources

Datei	Geändert
 image2019-10-1_9-49-58.png ¹	Nov. 25, 2020 by Peter Tabbert ²
 Positioning of ISO10303-3001 in V-Model.png ³	gestern um 9:05 vorm. by Peter Tabbert ⁴

1 https://intranet.prostep.org/download/attachments/22806865/image2019-10-1_9-49-58.png?api=v2

2 <https://intranet.prostep.org/display/~petertabbert>

3 <https://intranet.prostep.org/download/attachments/22806865/Positioning%20of%20ISO10303-3001%20in%20V-Model.png?api=v2>

4 <https://intranet.prostep.org/display/~petertabbert>