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Additional Resources

Editor	Dirk Denger
Additional experts	
Short Description/ Transmitted Information	<ul style="list-style-type: none"> • Technology for interchanging UML/SysML models between tools
Application Scope	<ul style="list-style-type: none"> • Describe implementation, execution, content and usage if FMU • Open also for models that are not delivered as FMU
Maturity	
Goals	<ul style="list-style-type: none"> • Standardized description format for behaviour models • Enhancement of FMU interoperability • Verification-oriented
Penetration	<ul style="list-style-type: none"> • Individual expert teams
Visibility	<ul style="list-style-type: none"> • Approx. 10%
Promoting Bodies	<ul style="list-style-type: none"> • OMG • ISO
Type	<ul style="list-style-type: none"> • OMG Standard • ISO Standard
IT Standard Classification	<ul style="list-style-type: none"> • ...
Data Format	<ul style="list-style-type: none"> • ...
Relations to other standards	<ul style="list-style-type: none"> • Based on 3 industry standards: OMG's MOF and UML, W3C's XML
Overlap with other standards	<ul style="list-style-type: none"> • ...

Available accompanying documentation (Software vendors)	• ...
Available accompanying documentation (Industry Users)	• ...
Available accompanying documentation (Management)	• ...

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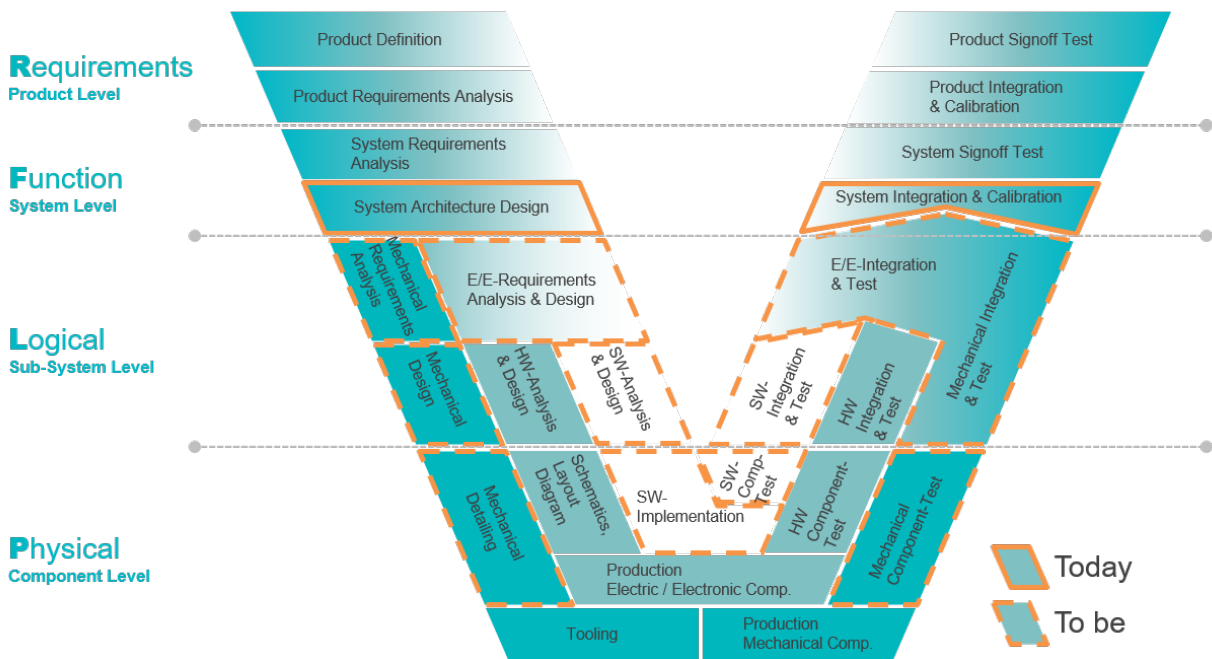
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1 Reasons for promoting standardization (short list):

- Enable openness and interoperability for UML/SysML-based modelling tools
- Exchange information in distributed heterogeneous development environments
- Enable cooperation across engineering departments and disciplines
- One single technology standard for connecting tools → no need to develop individual bridges between each pair of tools → more flexibility in choice of tools
- Take advantage of UML, SysML and XML prevalence in industry

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Positioning of XMI in V-Model



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Datei	Geändert
 image2019-10-2_12-37-2.png¹	Nov. 24, 2020 by Peter Tabbert²
 Positioning of XMI in V-Model.png³	gestern um 9:44 vorm. by Peter Tabbert⁴
 Fact Sheet_XML Metadata Interchange (XMI).pdf⁵	vor weniger als einer Minute by Peter Tabbert⁶

1 https://intranet.prostep.org/download/attachments/22806754/image2019-10-2_12-37-2.png?api=v2

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

3 <https://intranet.prostep.org/download/attachments/22806754/Positioning%20of%20XMI%20in%20V-Model.png?api=v2>

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

5 <https://intranet.prostep.org/download/attachments/22806754/>

[Fact%20Sheet_%20XML%20Metadata%20Interchange%20%28XMI%29.pdf?api=v2">Fact%20Sheet_%20XML%20Metadata%20Interchange%20%28XMI%29.pdf?api=v2](#)

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