











ADS is the Premier Trade Organisation for companies in the UK Aerospace, Defence, Security and Space Sectors.

Applicability - Easy to apply

Applicability Concepts based on Customer Experience

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Personal Data







Steering Committee:



Subject Matter Expert for:













Agenda

- Applicability in ASD S10000D
- Different Applicability Approaches
- Software Support in an IPS Repository











Applicability Definition according ASD/AIA/ATA S1000D

"Applicability provides the mechanism to identify the context for which a data module or parts of a data module is valid. This context is usually associated with the physical configuration of the Product but can include other aspects such as tool availability and environmental conditions. Applicability capabilities can vary greatly, from a simple annotation placed in the content of a data module to managing the life cycle of applicability which includes product definition, applicability authoring and product instance configuration tracking. This chapter provides an overview of applicability capabilities and the mechanisms for managing applicability."



Applicability Cross-Reference Table



Product Cross-Reference Table



Conditions Cross-Reference Table

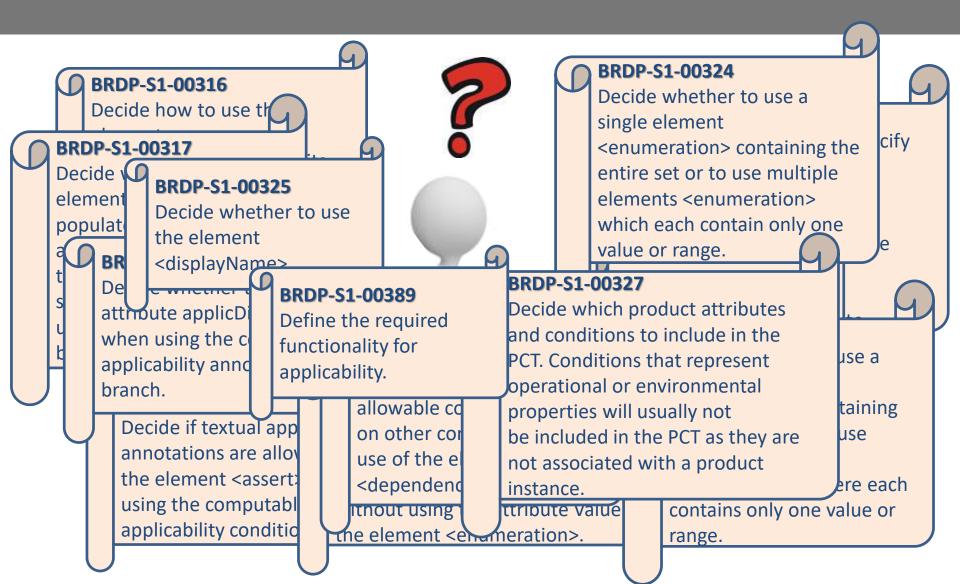






















Not every party is aware of the responsibility!









Examples for Decisions that have an major impact on Applicability

Marketing Concept

- Individual Product
- Customizable Product
- Level of Customization

Maintenance Concept

 Planned Maintenance Levels

Deliveries

- IETP and/or PDF
- Other Deliveries

Process

 150% Approach or Applicability for all IPS/ILS disciplines

Software Tools & Resources

- Capabilities
- Involved Tools











Applicability Concept

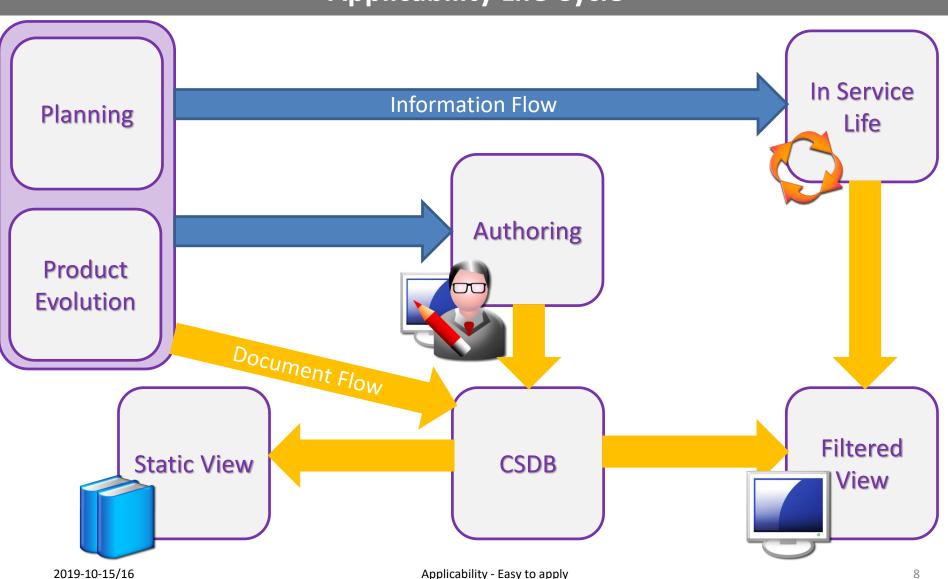








Applicability Life Cycle











Applicability from Customer's perspective

Show me my Product!



Applicability from the perspective of configuration management

Manage Product Variants



Applicability from Authors perspective More Work?



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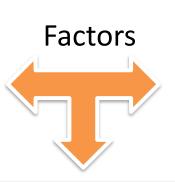




Marketing Concept: Basics

Limited number of Products / Individual Product or limited Product Variants





Many Variants or high Level of Customizations



Military / Governmental or Civil / Commercial





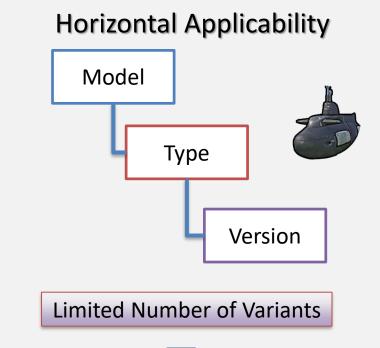


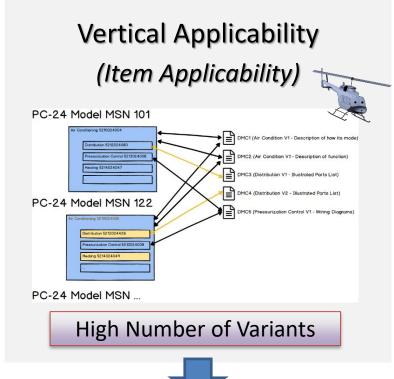


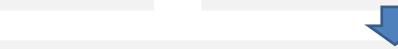




Marketing Concept: Horizontal or Vertical Applicability







Important Aspect

Both options can be mixed as long as the tool environment supports it.

E.g. vertical applicability in the data modules and horizontal applicability in the IETP/PDF





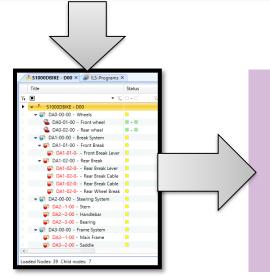




Item Applicability

Item Applicability in the Data Module

In the product breakdown / BOM it is docuented which part / item is applicable



Software aided generation of horizontal / serial number
Driven applicability within the

IETP / PDF



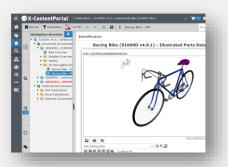








Maintenance Concept: Governmental / Civil Use of IETP/PFG



IETP/PDF: Civil / Commercial Use

In civil / commercial scenarios customers are, in general, allowed to see all applicabilities, respectively product variant publications.





IETP/PDF: Governmental / Military Use

In military scenarios only specific publications applicable to the customers are to be delivered.



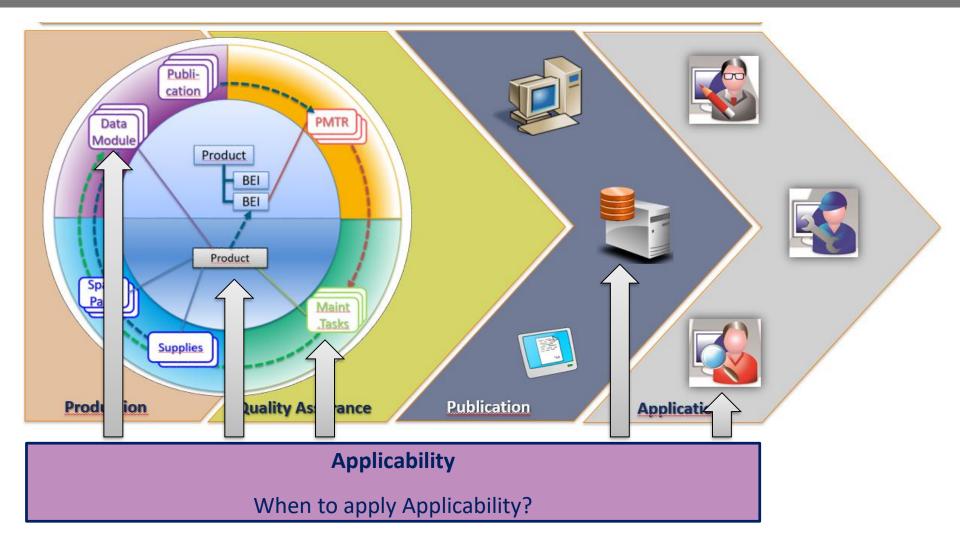








Process: When to apply Applicability?





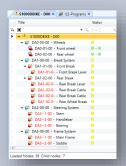






Process: Process Implementation of Applicability





Product Breakdown



LSA / PSA



ASD/AIA/ATA S1000D

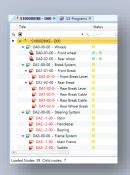
Data Modules with ASD S1000D Applicability



Data Modules without ASD S1000D Applicability (Only Customer Specific Content)



ASD/AIA S3000L



Product Breakdown



LSA / PSA



ASD/AIA/ATA S1000D

No Applicability



ASD S1000D Applicability on DM Level / during Authoring



Documentation Standard Independent Applicability



Applicability

150% Approach









Deliverables

ACT / PCT / CCT

ACT, PCT, CCT are intended for data exchange, respectively supplier integration.
They define the framework for the use of applicability in data modules.



Data Modules

If data modules are to be delivered, e.g. as a supplier, the concept and business rules should be delivered by the principal.



In-Service

Print/PDF only has
limited applicability
functionality. For IETP it
must be decided how
information is
presented (e.g. hide or
mark)



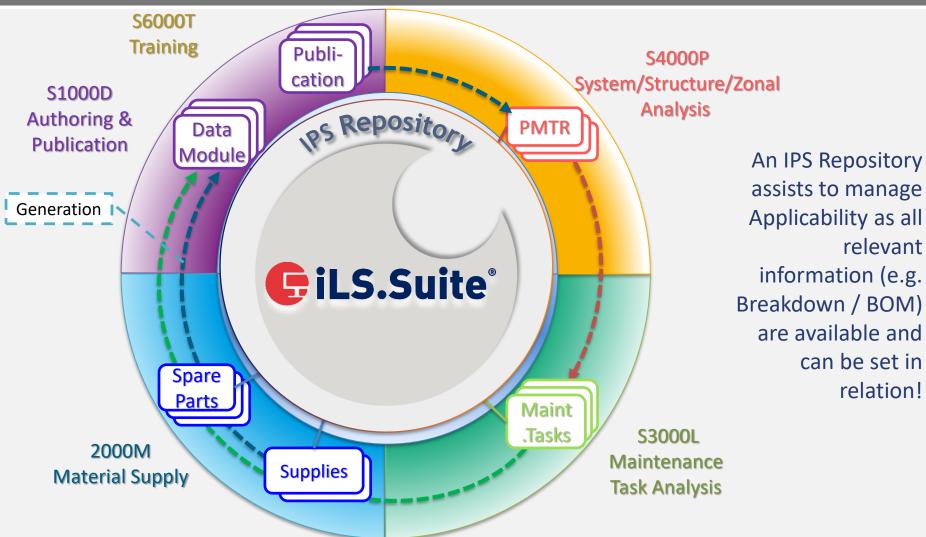








Software Support











Thank you

for your attention!

Questions?

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