

Applicability - A Loony Man's Dream or An Innovative Solution

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Agenda

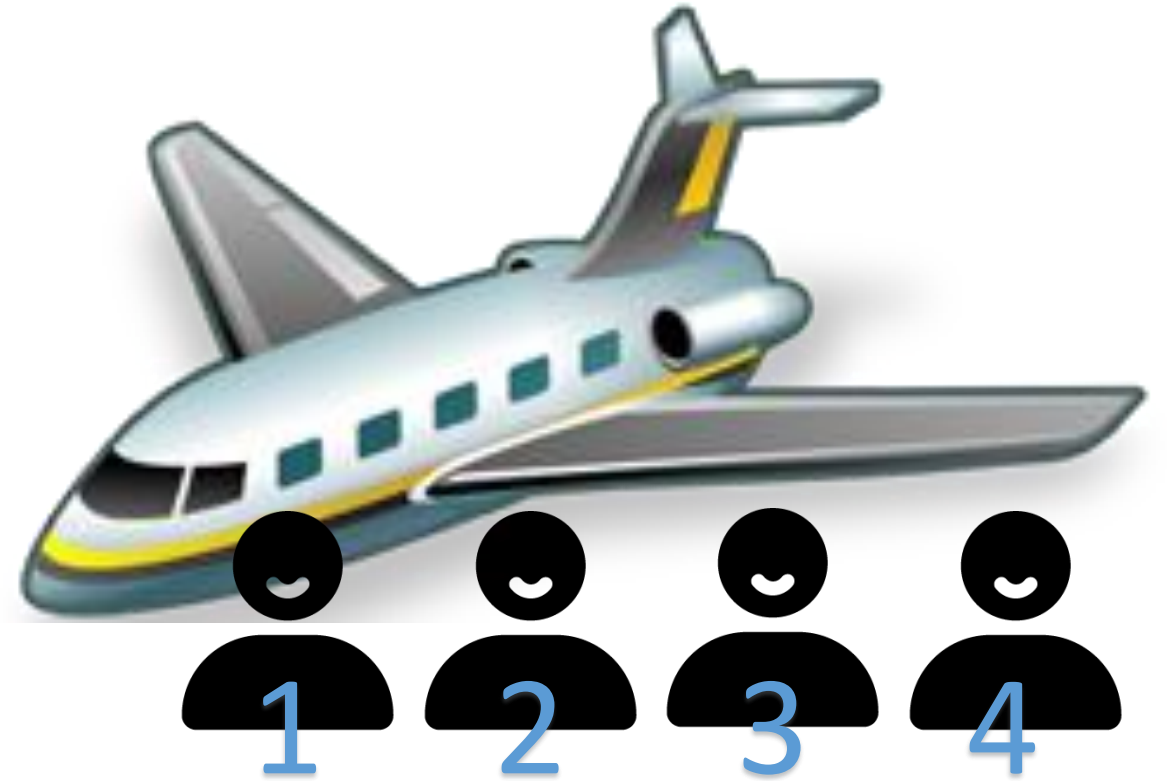
- Looking Back
- The Problem
- One Fits All
- Give the People What They Need
- Lets Make it More Practical
- Applicability
- Wrapping It Up

Looking Back

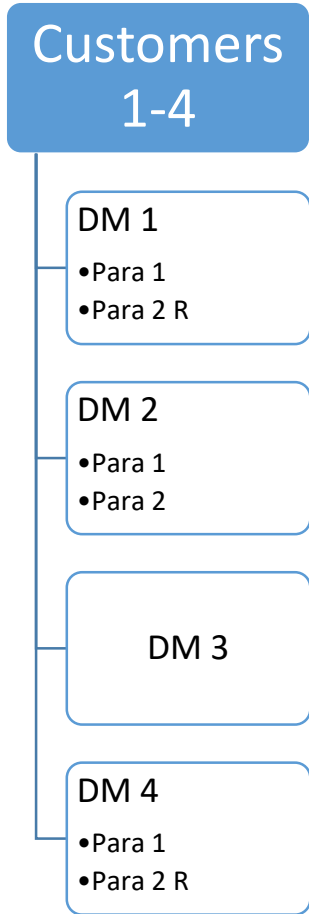


The Problem

- 1 Product
- 4 Customers
- 4 Data modules (DM)
- DM 1, 2 and 4 have variants
 - Environmental
 - Export-Restricted
 - Configurational
- Not all customers receive all DM
- Different publication platforms



One Fits All



Option 1

- Environment: Ignored
- Configuration: Ignored
- Restrictions: Ignored
- IETP: Not really
- Workload: Light
- Customers: Unhappy
- Failure Rate: Medium

One Fits All (cont.)

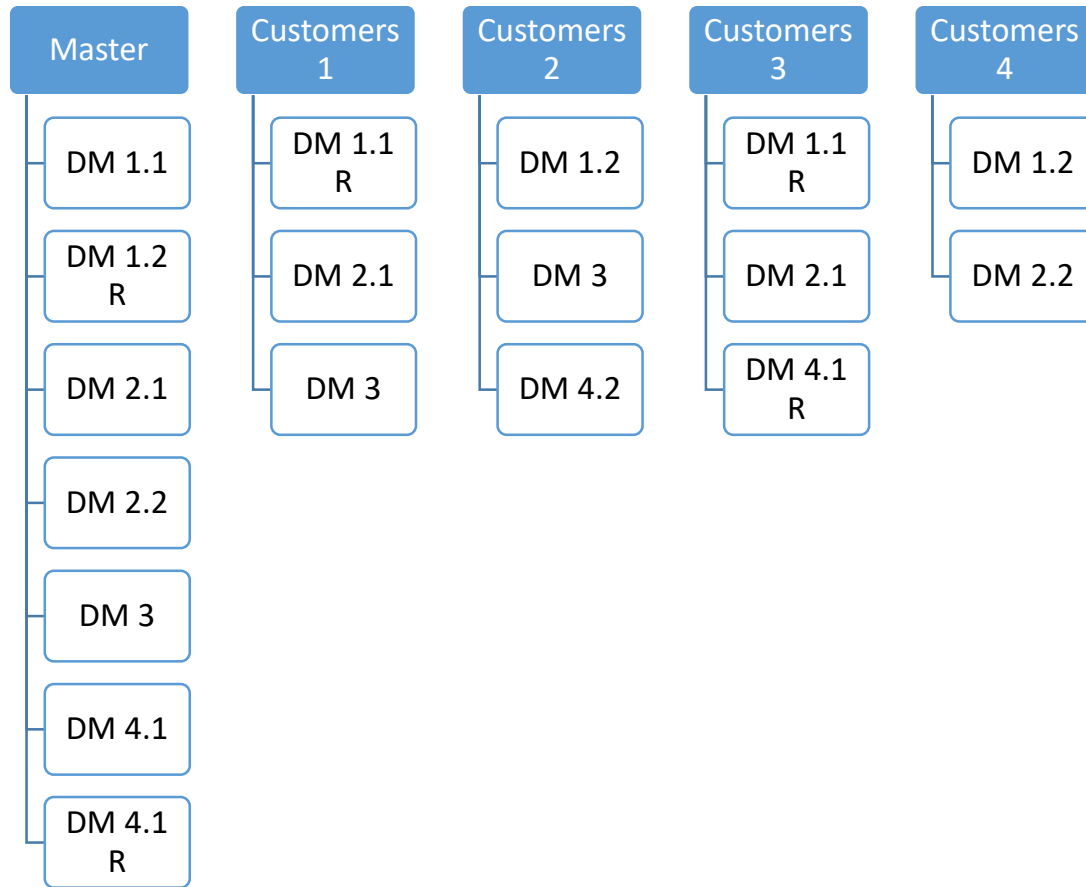
Title	Status	Categories	Note
All Customers			
ASD Data Module 1			
ASD Data Module 2			
ASD Data Module 3			
ASD Data Module 4			

HTML Structure Diagram:

- description
- para emphasis emphasisType="em03" Para 1 (No Restrictions):
- para Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed d erat, sed diam voluptua. At vero eos et accusam et justo duo dolores Lorem ipsum dolor sit amet.
- para emphasis emphasisType="em03" Para 2 (With Restrictions):
- para Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed d erat, sed diam voluptua. At vero eos et accusam et justo duo dolores Lorem ipsum dolor sit amet.
- description
- content
- dmodule

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Give the People What They Need

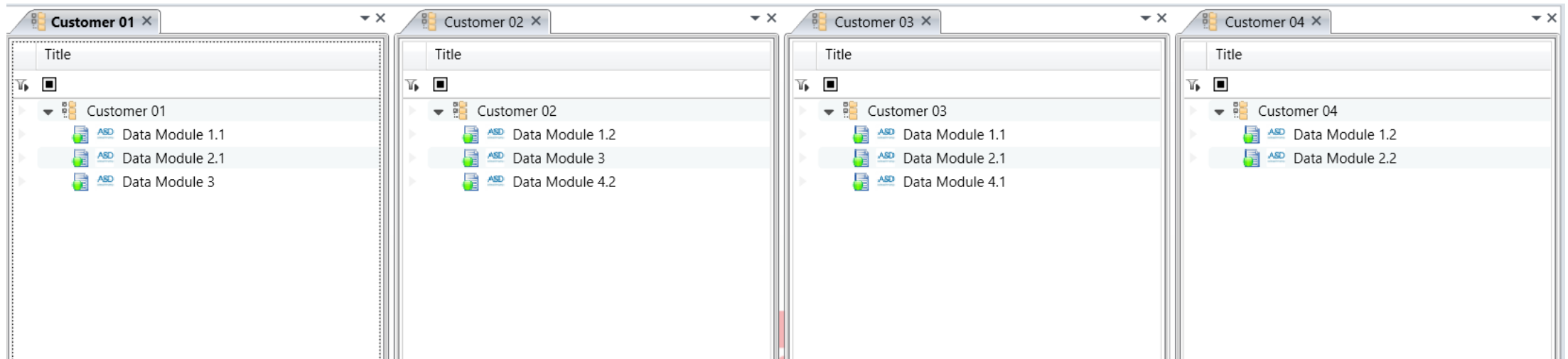


Option 2

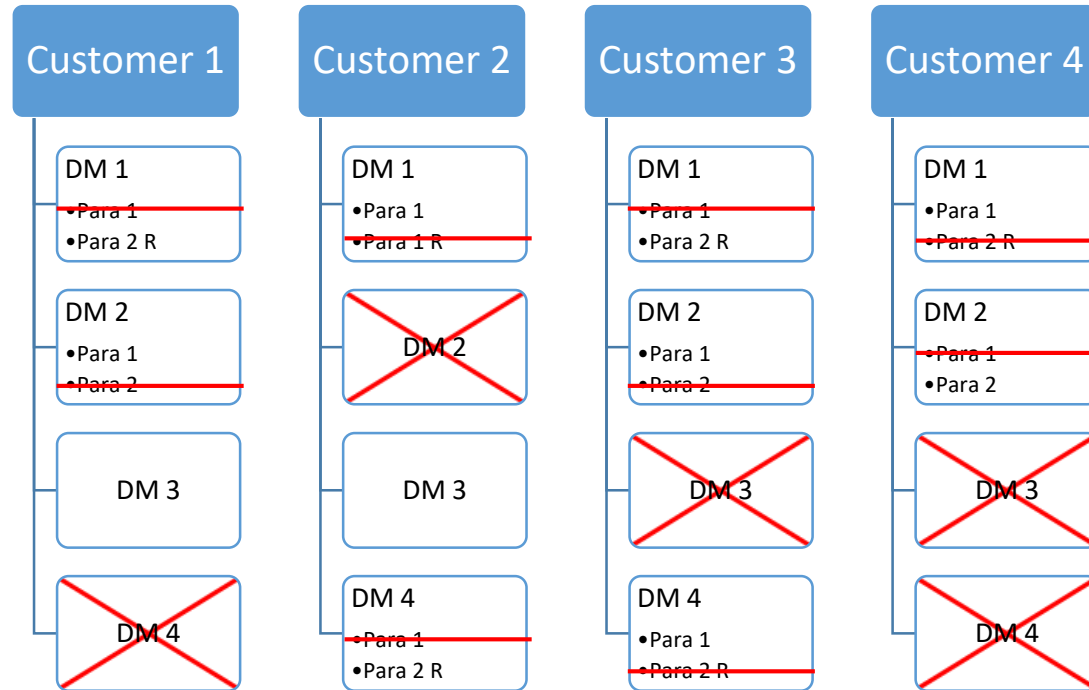
- Environment: Handled
- Configuration: Handled
- Restrictions: Handled
- IETP: Possible
- Workload: High
- Customers: Content
- Failure Rate: Medium - High

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Give the People What They Need (cont.)



Lets Make it More Practicable



Option 3

- Environment: Solved
- Configuration: Solved
- Restrictions: Solved
- IETP: Solved
- Workload: Medium
- Customers: Super Happy
- Failure Rate: Low

Lets Make it More Practicable (cont.)

The screenshot shows a software interface with a table at the top and a configuration panel below. The table has columns for Title, Status, Categories, Note, Sources, Change request, and four Customer columns (Customer_01 to Customer_04). The 'All Customers' row is highlighted in yellow. Below the table is the 'Applicability - Project' panel, which includes a toolbar and a list of applicability rules. The rules are:

- Customer** : Customer01|Customer02|Customer03|Cu
- Variant** : 101~110|111~120|121~140|141~199
- Serialnumber** : 000101~000199|000200~000299|
- Usage** : Landbased|Shipbased|Vehiclebased

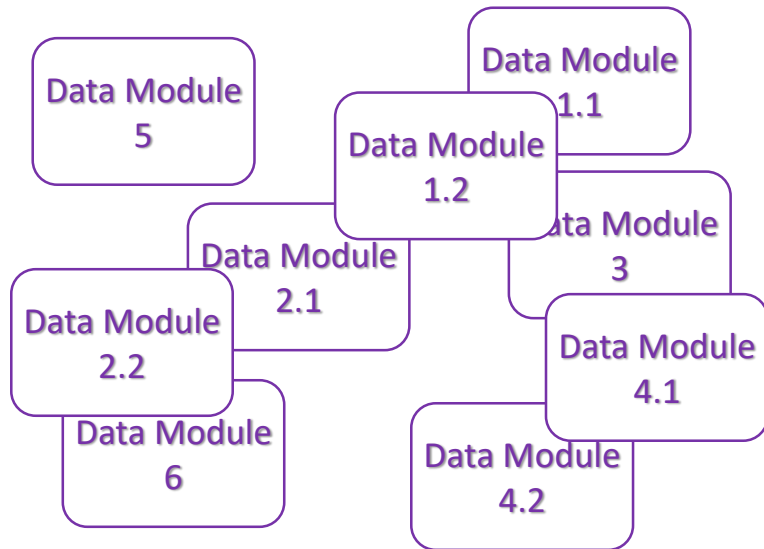
To the right of the configuration panel is a preview window showing HTML-like markup for a description. The preview includes:

- A 'description' label.
- A 'Description' heading.
- Paragraph 1 (No Restrictions): `<emphasis emphasisType="em03">Para 1 (No Restrictions): </emphasis>` followed by a HiCo Variant code.
- Paragraph 2 (With Restrictions): `<emphasis emphasisType="em03">Para 2 (With Restrictions): </emphasis>` followed by another HiCo Variant code.
- Paragraph 3 (General Data): `<emphasis emphasisType="em03">Para 3 (General Data): </emphasis>` followed by a HiCo Variant code.
- Additional labels: 'description', 'content', and 'dmodule'.

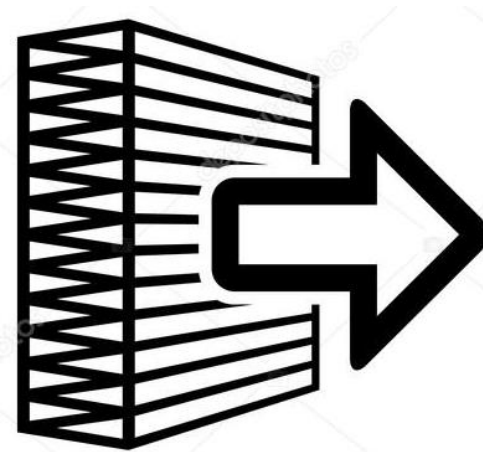
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View

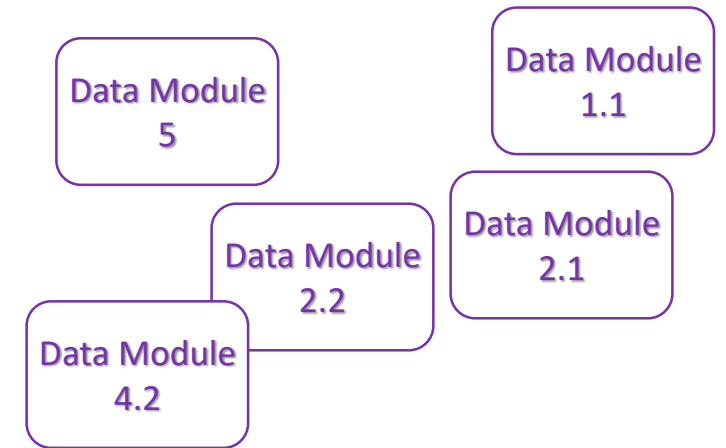
Static View



- Human Readable Annotations (<displayText>)



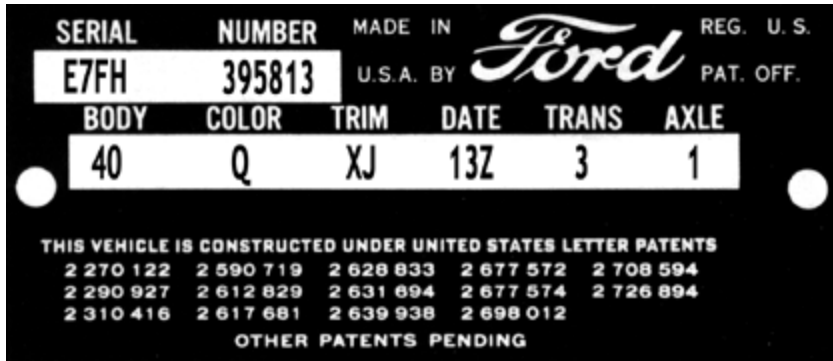
Filtered View



- Computer Processing Annotations (<assert>, <evaluate>, <expression>)

Attributes and Types

Product Attributes



- Applicability Cross-Reference Table (ACT) Data Module

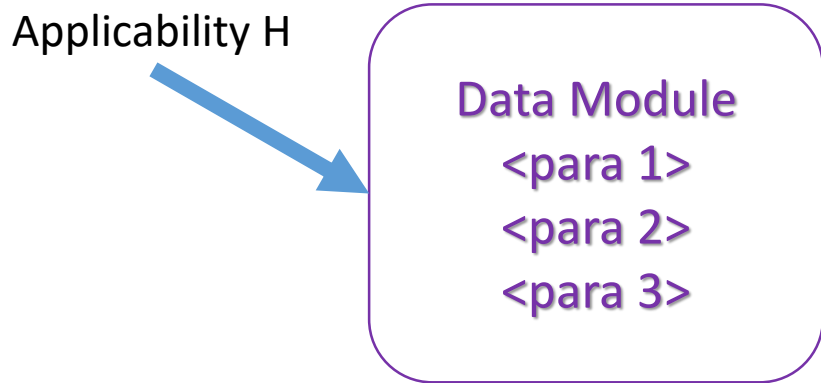
Condition Types



- Conditions Cross-Reference Table (CCT) Data Modules

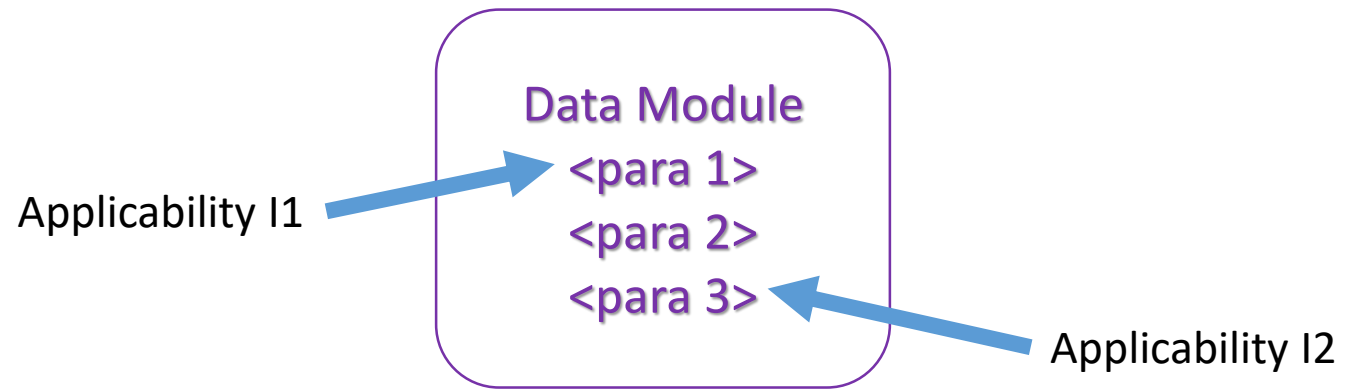
Applicability

Header Applicability



```
<applic> <displayText><simplePara>SN: 1-2, 5-10 or
(SN: 3-4 Post SB SB-0001)</simplePara></displayText>
<evaluate andOr="or">
<assert applicPropertyIdent="serialno" applicPropertyType="prodattr"
applicPropertyValues="1~2|5~10"/>
<evaluate andOr="and">
<assert applicPropertyIdent="serialno" applicPropertyType="prodattr"
applicPropertyValues="3~4"/>
<assert applicPropertyIdent="SB-0001" applicPropertyType="condition"
applicPropertyValues="Post"/>
</evaluate> </evaluate> </applic>
```

Inline Applicability

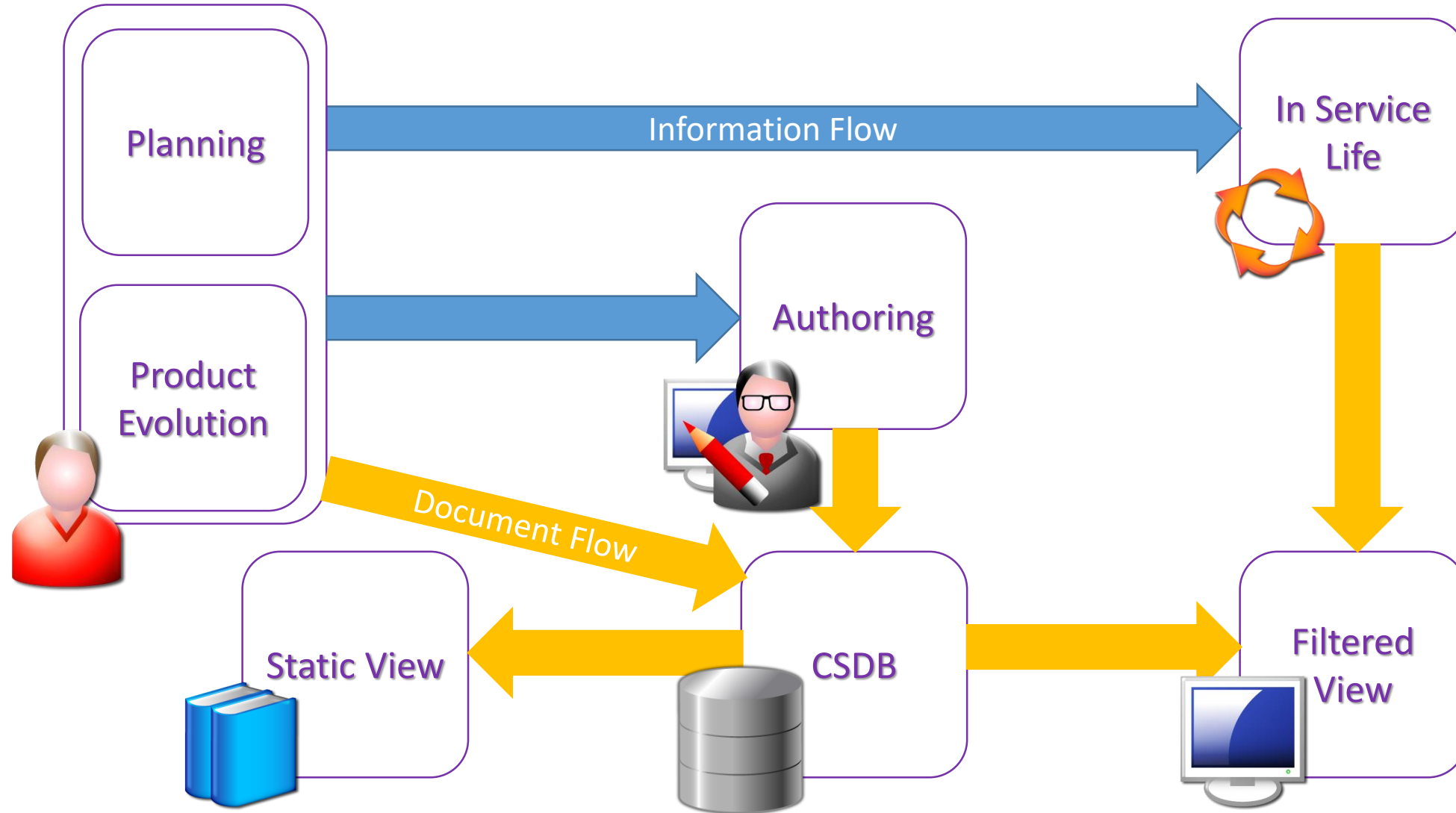


```
<proceduralStep applicRefId="apMK1">
<para>Soak the <internalRef internalRefId="seq-0003"
internalRefTargetType="irtt05"/> into <internalRef
internalRefId="sup-0002" internalRefTargetType="irtt04"/>
and water.</para></proceduralStep>
```

Business Rules

- BRDP-S1-00387 - Use of applicability
- BRDP-S1-00389 - Use of applicability data module types (ACT, CCT and PCT)
- BRDP-S1-00390 - Product attribute and conditions naming and identification scheme
- BRDP-S1-00391 - Presentation of content that is not applicable
- BRDP-S1-00394 - Classifying product attributes and conditions in an ACT data module
- BRDP-S1-00399 - Management of the product instance configurations in PCT data modules

Applicability Life Cycle



Wrapping It Up

The screenshot shows the X-Browser interface for a technical document. The breadcrumb trail is: Publications > S1000D Bike v4.01 > Structured Documentation > XBIKE401 - enhanced Bike v4.0.1 Main TechPubs > Maintenance/Repair. The document title is 'Normal operation procedures (crew)'. The 'Applicability' dropdown is set to 'Version (Product Type Version)' with a value of 'BrookBatch02'. A dropdown menu is open, showing options: MSN (Product), Model (Product Type Variant), Type (Product Type), Version (Product Type Version) (selected), and versrank. The document content includes sections for 'Data module', 'Identification', 'Pre-ride inspection', 'Brakes', 'Pads', 'Callipers', 'Levers', and 'Cables'. A 'Confirm' button is visible in the top right of the document area.

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Thank you
for your attention!

Questions?