



ROUND 2 – CASE BRIEFING



HACKATHON TOPIC 3

DATA MIGRATION



Mr. Nguyen Sy Nguyen

Project Manager



Experiences at Bosch:

- 2016-2019: Team leader / APM
- 2019 – 2022: Project Manager
- 2022 – 2023: PM/ Delivery Manager
- 2023 – now: Project Manager for Migration and FCDE projects



Area of Expertise:

Powertrain Solution, **Automation and Data Migration** expert

Background

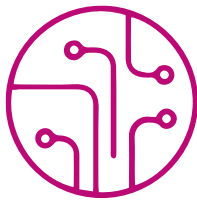
Requirement Management

'MO_Template' current 0.0 in /Templates_PTSA_2.x/MO_x (Formal module) - DOORS

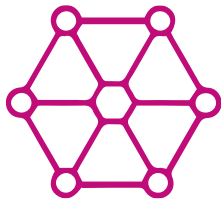
File Edit View Insert Link Analysis Table Tools Discussions User Add-Ons BSW Tools DGS_Tools REQUISIS Configuration Mgt Change Management Help

View All Attributes All levels Slow scroll

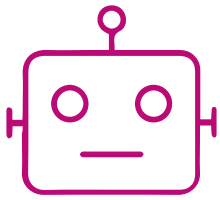
UNIQUE_DOORS_ID	Artefact Type	Template for the description of System-Requirements on MO Level, with UID	Verification Criteria	Branch Details Descriptions	Visibility	CRQ	Review Comment
PS-11c6eb_1	HEADER	1 System Requirements "<module name>"			Internal		
PS-11c6eb_2	INFO	INFO: Interfaces - Detailed interfaces are specified in the system architecture specification of the project. For existing projects this information will be visualised in the A2LInspector, for forward path developments the system architecture design is reviewed together with the requirement. - The detailed acuation and detection is specified in the Hardware Software Interface of the project.			Internal		
PS-11c6eb_3	INFO	INFO: System architecture design in <SPEC version in SDOM>			Internal		
PS-11c6eb_4	HEADER	1.1 <Name of subsystem>			Internal		
PS-11c6eb_5	HEADER	1.1.1 Detection			Internal		
PS-11c6eb_6	INFO	INFO: The standard detection requirements are documented in chapter PS-13fa20_7 in MO_EcuIo. The following sensor inputs are generally supported by this "MO":			Internal		



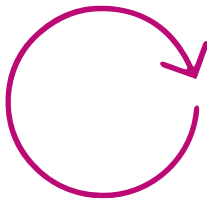
Requirements
Management



Traceability



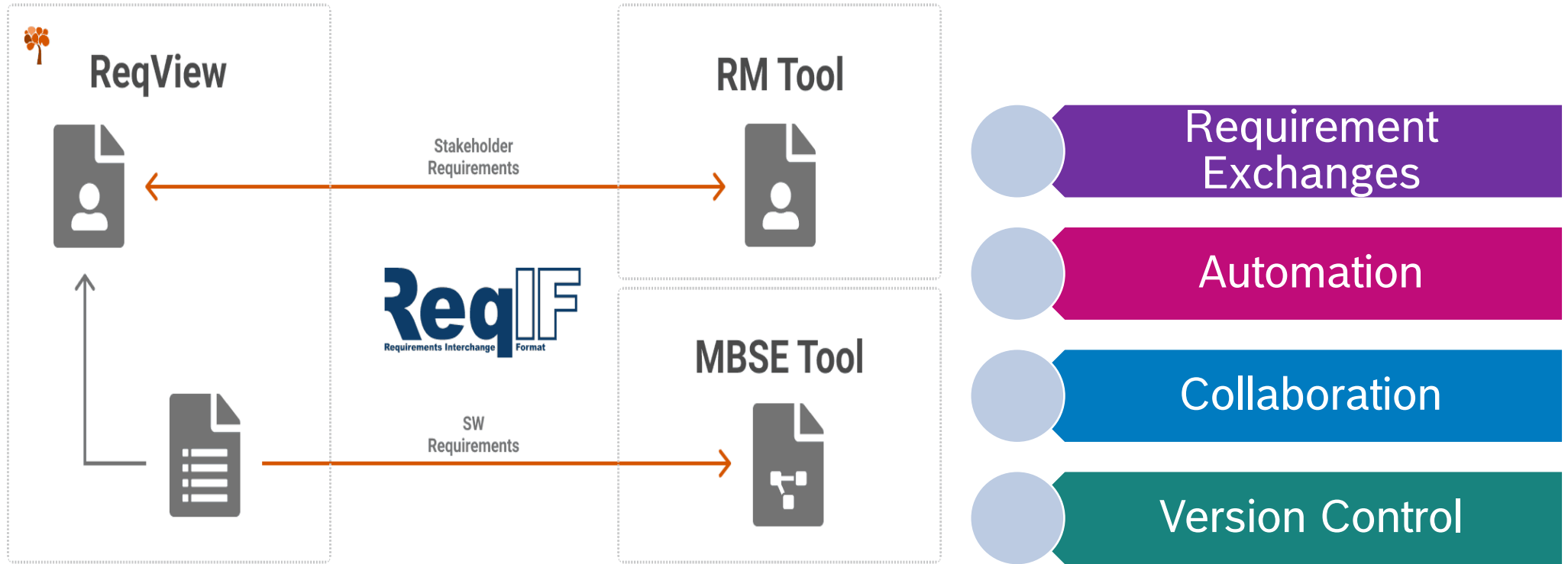
Category



Version Control

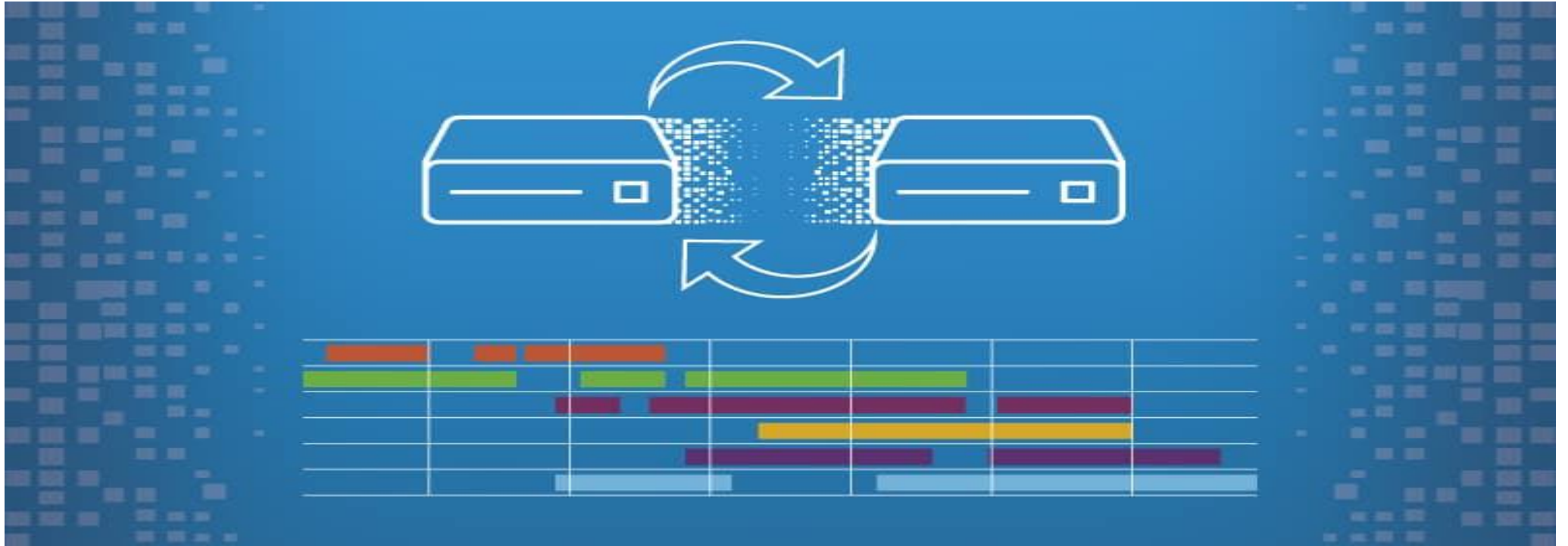
Game Changes

Disadvantages



Nowadays

Requirements Migration



By migrating data from DOORS/DNG to Doc as Code environment, organizations can leverage the benefits of real-time collaboration, improved communication, time saving and version control.

Requirement

Original Requirement

←

| ... / <<Feature- Name>> /

| 629011 ECU_Requirement

?

Create

View: View_MO_RS_Edit

Type to filter artifacts by text or by ID

?

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🗑️

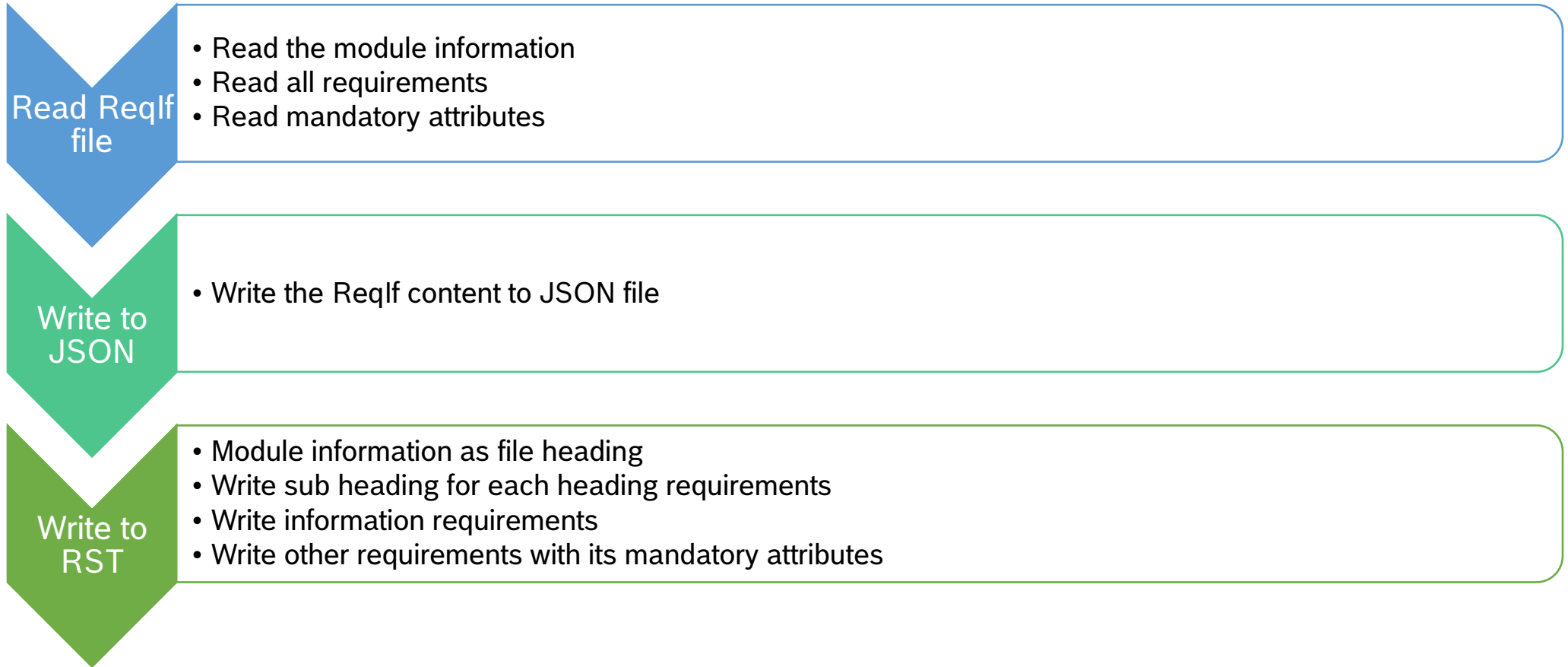
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	ID	Contents	Artifact Type	Status	CRQ	Safety Classification	Verification Criteria	VAR_FUNC_...	VAR_FUNC_SYS
<input type="checkbox"/>	629021	•1 General Overview / Document Scope	Heading						
<input type="checkbox"/>	629020	•1.1 Document Scope	Heading						
<input type="checkbox"/>	629016	<put below a first description of the scope for ECU requirement specification>	Information						
<input type="checkbox"/>	629012	•1.2 Document Specific Glossary	Heading						
<input type="checkbox"/>	629013	<put below a definition of first glossary specific terms>	Information						
<input type="checkbox"/>	629019	•2 System Requirements	Heading						
<input type="checkbox"/>	629017	<infos relevant for the complete chapter> Note to the template. - the example requirements below are independent of each other and are showing the different possibilities of the requirements structure	Information						
<input type="checkbox"/>	629022	•2.1 ECU 1st Requirement	Heading						
<input type="checkbox"/>	629015	<description of the requirement in requirements language> VEHICLE_SYSTEM_BEHAVIOUR <Optional: description of desired vehicle behaviour ("development target")> CONSTRAINT <Optional: constraints on the solution space for the requirement> IMPACT <Optional: description of possible cross-functional impact of the requirement, or impact on other components> INFO <Optional: additional informations about the requirement: - know-how - background - HW dependencies related to the system requirement - internal signals - etc> ASSUMPTION <Optional: assumptions on the requirement>	MO_FUNC_REQ	NEW/CHANGED	RQONE03 587423	ASIL A	Test Environment: Test Bench/Lab-car with hardware setup Success Criteria: Verify whether the signal value is correct or not	VAR_Func_sys value	
<input type="checkbox"/>	629018	•3 System Non Functional Requirements	Heading						
<input type="checkbox"/>	629014	<description of the non functional requirement in requirements language>	MO_NON_FUNC_REQ	NEW/CHANGED	RQONE03 587423	ASIL B	Test Environment: Test Bench/Lab-car with hardware setup Success Criteria: Verify whether the signal value is correct or not	Var_func_sys value 2	

Requirement

Data Migration Flow



Requirement

Evaluation Criteria

Task	Category	Point
Write JSON	Module info	5
	All requirements and order	10
	Mandatory attributes	25
	Clean code	10
Write RST	Heading and sub-heading	5
	Write RST – information	10
	Other requirements	25
	Clean code	10

GOOD LUCK!