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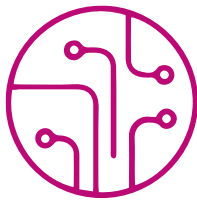Powertrain Solution, **Automation and Data Migration** expert

Background
Requirement Management

Requirements Management
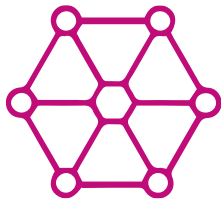
Traceability
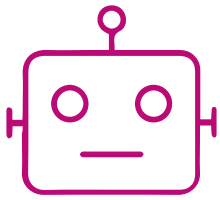
Category

Version Control

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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.
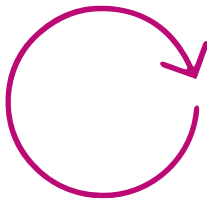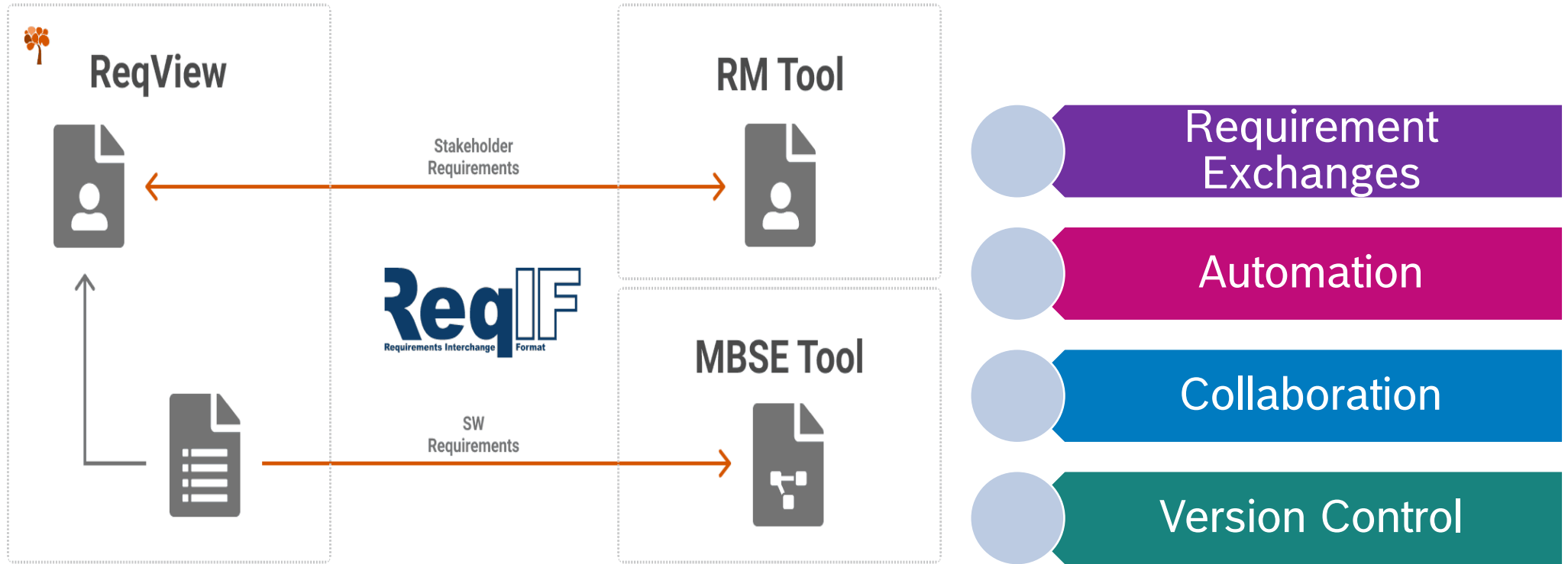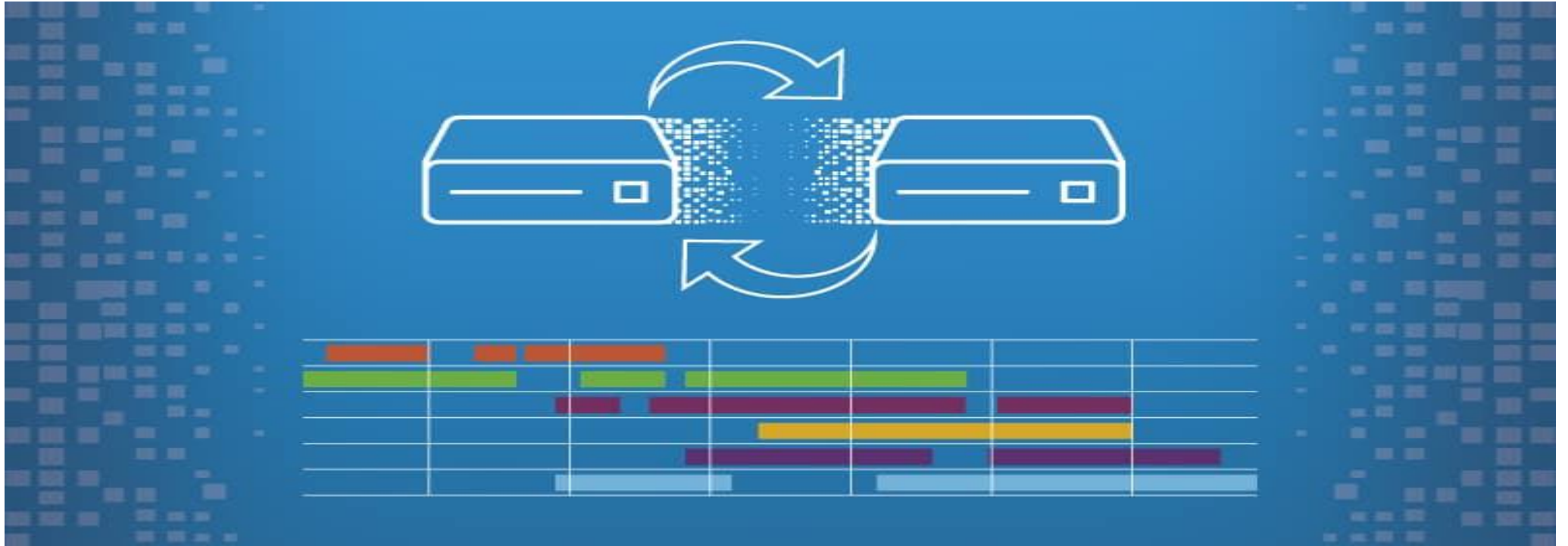
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Requirement
Original Requirement

… / <<Feature- Name>> /   629011 ECU_Requirement

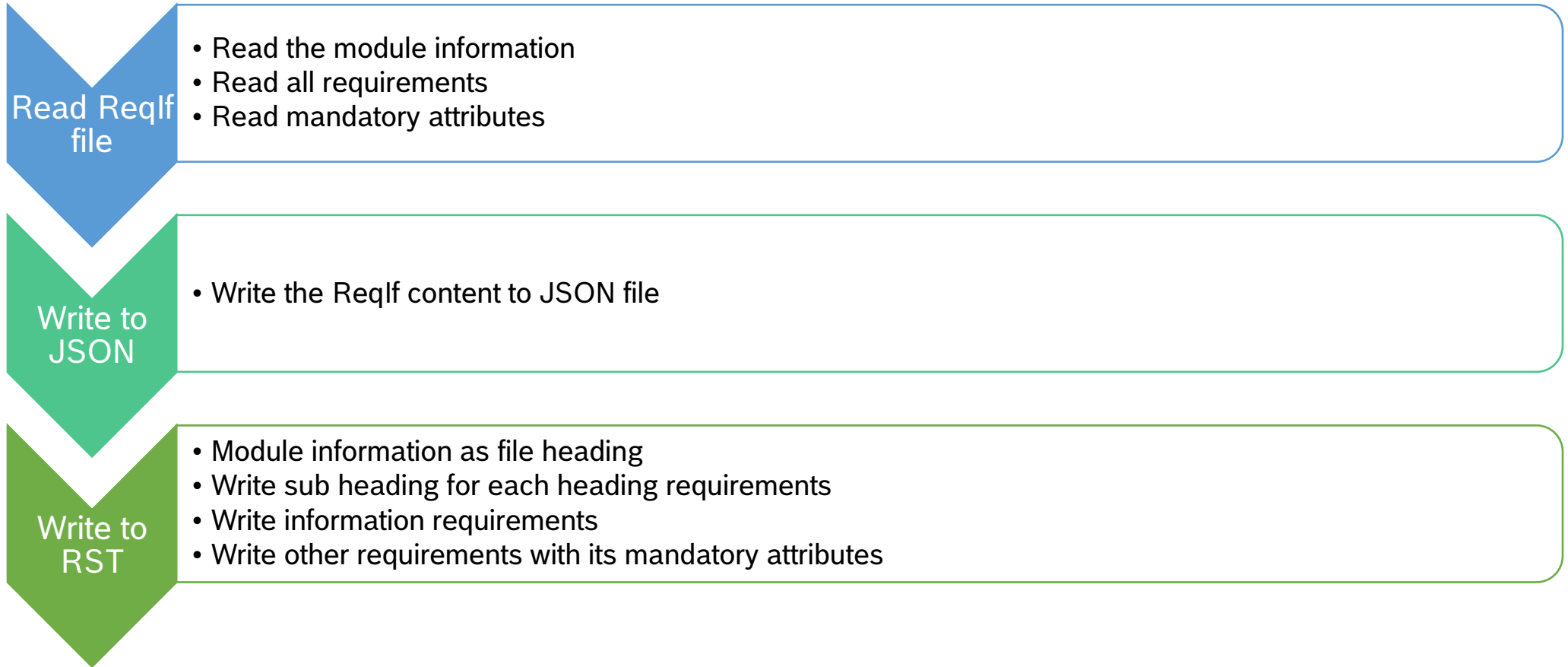Create   View: View_MO_RS_Edit   Type to filter artifacts by text or by ID

	ID	Contents	Artifact Type	Status	CRQ	Safety Classification	Verification Criteria	VAR_FUNC_…	VAR_FUNC_SYS
☐	629021	1 General Overview / Document Scope	Heading						
☐	629020	1.1 Document Scope	Heading						
☐	629016	<put below a first description of the scope for ECU requirement specification>	Information						
☐	629012	1.2 Document Specific Glossary	Heading						
☐	629013	<put below a definition of first glossary specific terms>	Information						
☐	629019	2 System Requirements	Heading						
☐	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						
☐	629022	2.1 ECU 1st Requirement	Heading						
☐	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
☐	629018	3 System Non Functional Requirements	Heading						
☐	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

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Requirement
Data Migration Flow

Read ReqIf file
- Read the module information
- Read all requirements
- Read mandatory attributes

Write to JSON
- Write the ReqIf content to JSON file

Write to RST
- Module information as file heading
- Write sub heading for each heading requirements
- Write information requirements
- Write other requirements with its mandatory attributes

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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

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GOOD LUCK!

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