

PREEvision Function Development

Agenda VectorAcademy

Delivery Format:	This Course is offered in Classroom or in Remote Format
Duration:	Classroom: 4 days Remote: 28 hours
Target Group:	System architects, development engineers, quality engineers, documentation managers
Prerequisites:	AUTOSAR Classic basics
Goal:	Develop functions, evaluate and optimize the overall system

1. Concepts of PREEvision

- > PREEvision as a product for the whole architecture management
- > Development process
- > Layer model

2. Introduction to PREEvision

- > Starting PREEvision the first time
- > Projects
- > Windows and diagrams
- > Perspectives and views
- > Traceability and navigation

3. PREEvision in Multi User Mode

- > Lock / Commit
- > Reuse
- > Check in / Check out

4. Requirements Layer and Customer Feature Layer

- > Creation of a customer feature list
- > Creation of customer features and requirements
- > Tables
- > Link requirements to customer features
- > Relations between customer features

5. Logical Architecture Layer

- > Creation and grouping of logical components
- > Type/instance concept
- > Ports, port interfaces and data elements
- > Connecting ports
- > Activity chains

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6. Software Components Layer

- > Creation and grouping of software components
- > Creation and connection of ports
- > Definition of connections
- > Library approach: Type – Prototype – Instance
- > AUTOSAR export

7. The Layers Network Topology and Component Architecture

- > Creation and connection of components
- > Creation of bus systems
- > Connection of components to buses
- > Using types

8. Signal Routing and Communication

- > Configuration of the signal router
- > Constraints
- > Visualize the router's results
- > Import of existing communication descriptions
- > Communication perspective

9. Variants in PREEvision

- > Concepts
- > Artifacts for structuring like Alternatives, Systems and Sets
- > Diagrams
- > Feature based variant management

10. Overview of PREEvision's Configuration Capabilities

- > Configurations
- > Rules
- > Metrics
- > Reports

11. Questions, Feedback, Suggestions

- > Opportunity for Questions, Feedback and Suggestions