

GM Global B

Agenda VectorAcademy

Delivery Format:	This Course is offered in Classrom or Remote Format
Duration:	Classroom: 1 days Remote: 7 hours
Target Group:	ECU developers of GM suppliers and OEM
Prerequisites:	Participation in our AUTOSAR courses or good AUTOSAR knowledge, certification as a GM supplier.
Goal:	Gain a general overview about the GM approach with the thematic focus on partial networking, security + safety and standard utility modules. Moreover the Vector tool workflow, adapted to the GM approach, will be discussed.

1. Overview and Introduction

- > GM Approach
- > Basic Software At GM
- > GM Global B SIP Delivery
- > What Else Do I Need?
- > License Model

2. GM Partial Networking (PNC)

- > Motivation
- > Partial Networking Fundamentals
- > PNC: Information Flow
- > PNC: ECU View
- > Integration Hints

3. GM Security and Safety

- > Security For GM Global B
- > Message Authentication
- > ECU Unlock
- > Key Provisioning
- > AUTOSAR Security Solution
- > Safety For GM Global B

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4. GM Standard Utility Modules

- > Motivation
- > Standard Utility Modules
- > State Of Health Manager (SUM_SoH)
- > Startup Shutdown Coordinator (SUM_SUSD)
- > Partial Network Coordinator (SUM_PNC)
- > Error Handling Module (SUM_ERRH)
- > Timing Client Service (SUM_TCS)
- > Security Service Coordinator (SUM_SSC)
- > Signal Status Monitor (SUM_SSM)
- > LIN Network Manager (SUM_LNM)
- > Diagnostic Application Service (SUM_DIAG)

5. Configuring the GM Global Stack

- > First Steps
- > What Else Do I Need?
- > Workflow
- > Adding GM Modules to Your Configuration
- > Startup