



Agenda VectorAcademy

GM GLOBAL B

Duration:	1 Day
Target Group:	ECU developers of GM suppliers and OEM
Prerequisites:	Participation in the AUTOSAR workshop 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 | 1.0 H

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

2 | GM PARTIAL NETWORKING (PNC) | 1.5 H

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

3 | GM SECURITY AND SAFETY | 1.5 H

- ▶ 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 | 2.0 H

- ▶ 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 B STACK | 1.0 H

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

6 | FEEDBACK / OPEN DISCUSSION | 1.0 H