• Disclaimer


4.2.6 Inventory and Management of Software Assets on Vehicles

• [G.10] Manufacturers should maintain a database of operational software components19,20 used in each automotive ECU, each assembled vehicle, and a history log of version updates applied over the vehicle’s lifetime.

• [G.11] Manufacturers should track sufficient details related to software components21 such that when a newly identified vulnerability is identified related to an open source or off-the-shelf software22 manufacturers can quickly identify what ECUs and specific vehicles would be affected by it.
Automotive Industry SBOM Project - What? (2/3)

A supplier-led project to:

• Study and understand SBOM principles and operations
• Align and emulate - NTIA, FDA/Healthcare, other agencies/industries
• Make the case for SBOM in the auto industry
• Unified voice from suppliers
• Practical approach and solution with input from customers/partners
• Perform exercises in implementation
• Recommend and get agreement from industry
• Encourage/foster voluntary adoption by suppliers
Automotive – Tasks and Deliverables – How? (3/3)

- Learn: 3 x1 hour tutorials by NTIA Healthcare MSP leaders (complete)
- Cycle:
  - Planning: Timelines, resources, example components, logistics, metrics, formats, tools, other (Cycle 1 underway)
  - Execution: Build SBOMs and conduct exercises
  - Review: Post-mortem, lessons learned
  - Adjust: Improvements, streamlining
- Report: Supplier recommendations for industry standards to automakers (~12 months)