

COVESA Spring AMM's Deep Dive into VSS



Vehicle Signal Specification

The automotive industry is on the cusp of significant digital transformation, with vehicle data playing a pivotal role in shaping its future.

Among the many topics that will be discussed at the [COVESA Spring Annual Member Meeting](#) in Gothenburg, Sweden, from April 16-18 will be **Vehicle Signal Specification (VSS)**—a cornerstone effort by the COVESA community to standardize vehicle data across the industry.

Introduced in 2016, COVESA's VSS has emerged as a widely adopted open data model designed to normalize vehicle data such as speed, tire pressure, and interior lights. This initiative is especially significant as it strives to enable data interoperability, reduce data fragmentation, and foster innovation and collaboration across various sectors, including EV Charging, Safety, Maintenance, Fleet Operations, and Insurance.

The upcoming event will feature sessions aimed at both newcomers and seasoned professionals, with discussions led by key figures from major automotive and technology companies like aicas, AiDEN Automotive, BMW Group, ETAS, Ford, Geotab, GM, Mbition Volvo, RemotiveLabs, SPREAD, and more. These sessions will explore the business value of adopting VSS, its benefits for the automotive industry, and how it can enhance collaboration with other sectors:

Tuesday, April 16

- 3:45 PM - 4:10 PM – [A Beginners Guide to Vehicle Signal Specification \(VSS\)](#) with COVESA's Paul Boyes and Steve Crumb

Wednesday, April 17

- 9:45 AM - 10:30 AM – [Learning VSS: A Deeper Dive](#) for an advanced session on VSS
- 2:30 PM - 3:10 PM – [Leveraging VSS To Solve Business Challenges](#) on how VSS is addressing OEMs and Fleet Managers' challenges
- 2:45 PM - 3:30 PM – [Commercial Vehicle BoF Working Session - Extending VSS to Commercial Vehicles](#)
- 3:30 PM - 4:00 PM – [In-Vehicle API \(joining forces with AUTOSAR\)](#) on the integration of in-vehicle API based on VSS with AUTOSAR technology
- 4:00 PM - 4:45 PM – [Towards a Vehicle DATA Specification](#)
- 4:45 PM - 5:30 PM – [Vehicle Signal Specification Working Session](#)

Thursday, April 18

Explore a diverse lineup of sessions on [Vehicle Information Service Specification \(VISS\)](#), and data architectural patterns throughout the day. VISS, a collaborative effort started between W3C and COVESA, is anchored by VSS and offers a service for accessing vehicle information and sensor signals within a vehicle's network. These sessions include:

- 9:00 AM – 12:15 PM – [Introduction to the COVESA Central Data Service Playground \(followed by Data Expert Group - Architecture and Infrastructure Working Session\)](#)
- 1:15 PM - 2:00 PM – [Vehicle Information Service Specification Consent Model](#)
- 1:15 PM - 2:00 PM – [Data Middleware Enabling Offline-First Telemetry Collection and Real-time Decision Making with an In-car Knowledge Layer](#)
- 2:30 PM – 3:15 PM – [Vehicle Information Service Specification Feeder Domain Conversion Explained and Demonstrated](#)
- 3:15 PM - 3:45 PM – [Data Acquisition beyond VSS](#)

This event is a platform for innovation and collaboration, offering unparalleled opportunities to engage with the minds shaping the future of connected vehicles.

[Register now](#) for the upcoming COVESA Spring AMM. This event promises to be a melting pot of ideas, innovation, and collaboration, bringing together the global automotive community to learn, share, and collaborate!

For more information on VSS and its impact on the automotive ecosystem, we encourage you to check out our white paper: [VEHICLE SIGNAL SPECIFICATION \(VSS\): ENABLING CROSS-INDUSTRY ECOSYSTEMS AND INNOVATION](#).