

COVESA Getting Started

Welcome to COVESA!

Navigate the many opportunities and privileges for your organization with your COVESA membership!

ABOUT COVESA

COVESA is an open and member-driven global technology alliance focused on connected vehicles and their related technologies, emphasizing collaboration and open standard approaches. Our mission is to enable our community to unlock the full potential of connected vehicles and we welcome collaboration on all connected vehicle projects.

Information on COVESA can be found on our website, Wiki, and [COVESA overview presentation](#). A complete list of [Board and Officers](#) can also be found on the COVESA website.

News & Updates

Stay current on what's happening with COVESA and receive our newsletter and important updates. Email help@covesa.global to be added to the list.

All Member Meetings & Events

Twice a year, COVESA holds All Member meetings featuring both business-level and technical content, as well as the popular Member Showcase and Reception. COVESA also attends and speaks at various industry events and holds showcase and networking receptions annually at CES and AutoTech: Detroit.

A list of upcoming and past COVESA events can be found on the COVESA [website](#). If interested in sponsoring or participating in a COVESA Reception & Showcase event, contact Mike Nunnery at mikenunnery@comcast.net.

Key Contacts

COVESA key contacts for operations, technical community, membership, marketing, and events are listed below. Contact the [COVESA Help Desk](#) for general membership questions and Wiki access.

Steve Crumb Executive Director scrumb@covesa.global	Paul Boyes Community Director pboyes@covesa.global
Mike Nunnery Business Development Manager mikenunnery@comcast.net	Thomas Spreckley Marketing Team Lead tspreckley@covesa.global
Traci Renner & Mary Placido Marketing Managers trenner@inventures.com mplacido@inventures.com	Karin Hanson Senior Events Manager karinha@khansonevents.com

GET INVOLVED

COVESA welcomes new members to add to its strong, active base of current members working together to shape the future technologies of connected vehicles and the mobility ecosystem.

Learn more about our various collaborative projects, expert groups, and Birds of a Feather (BoF) projects and how to start getting involved using the various tools and resources listed below.

Tools & Resources

COVESA Wiki

You can track COVESA activities on our Wiki at wiki.covesa.global. If you have not already received your login credentials or if you need to add access for a colleague, please contact help@covesa.global.

Community Calendar & Weekly Meeting Schedule

A community calendar with a weekly meeting schedule can be found [here](#) and instructions on how to integrate the Google Calendar into Outlook are [here](#).

Communication Channels

A full list of communications channels (i.e., Slack workspaces/channels and mailing lists) for each Expert Group and Project can be found [here](#).

COVESA GitHub Repository

COVESA code is openly available in [GitHub](#) and more information on COVESA projects can be found on the [COVESA Wiki](#).

Collaborative Projects

COVESA members launch and contribute to a variety of collaborative projects that advance the mobility ecosystem and focus on accelerating connected vehicle systems.

Data Expert Group

The Data Expert Group (DEG) provides a single group in which best practices and common approaches for connected vehicle data and interfaces are discussed, documented, and where appropriate, proved. A primary goal of the group is to facilitate, simplify, and reduce integration efforts and improve interoperability enabling focus on new experiences, business opportunities and revenue streams.

COVESA Data Expert Group			
Best Practices	Data Models	Common Vehicle Interfaces	Architecture

<ul style="list-style-type: none"> • Governance and Priority • API First • Data Model Definition 	<p>Vehicle Signal Specification (VSS): A common approach for describing vehicle data and is a widely adopted, developer-friendly, extensible data model and catalog with industry-supported tooling.</p> <p>Vehicle Signal Specification Ontology (VSSo): Facilitates the use of VSS in analytics and services.</p>	<p>Capability and use case identification.</p> <p>IFEX: A general interface description and transformation technology.</p> <p>uServices: A definition of common vehicle services using protobuf.</p> <p>Vehicle API: Exposes vehicles as defined and described by VSS to a variety of agreed-upon touchpoints in and out of the vehicle.</p> <p>Vehicle Information Service Specification: A joint effort between W3C and COVESA hosted by W3C. It is a service for accessing vehicle information and signals from sensors on control units within a vehicle's network. It exposes this information using COVESA VSS.</p>	<p>Data Architecture Terminology: Drives understanding and adoption of COVESA specifications and technical projects through the definition of reusable common architectural terminology and patterns realized with technical implementations, and proofs of concept.</p> <p>Central Data Service Playground: A neutral playground to investigate internals and combinations of data services on and off of the vehicle in the context of data-centric architectures.</p>
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<p>EV Charging Expert Group</p> <ul style="list-style-type: none"> • EV Charging Event Data Aggregation Project • EV Optimization - Increase Travel Range for Fixed Battery • Private Cross OEM Joint Compute for EV Charging 	<p>The Electric Vehicle (EV) Charging Expert Group is where common and novel approaches around EV charging are discussed, documented, and proven including but not limited to delivering great EV experiences, optimization of resources, exploring new business models, EV ecosystem, and alignment with standards.</p> <p>The EV Charging Event Data Aggregation Project focuses on the standardization of data and APIs that will enable and leverage shared big data at a large scale to deliver great charging experiences.</p> <p>The EV Optimization - Increase Travel Range for Fixed Battery team aims to develop a standard specification for power optimization and demonstrate features/scenarios by POC.</p> <p>The Private Cross OEM Joint Compute for EV Charging group provides technical solutions to address the challenges of sharing data.</p>
<p>Automotive AOSP App Framework Expert Group</p>	<p>The Automotive AOSP App Framework Expert Group identifies gaps between AAOS with GAS and AAOS without and proposes, and specifies and/or develops white label solutions/alternatives. Only topics either not being available for OEMs using AAOS without GAS or not available at all will be tackled within this group to avoid fragmentation across the automotive industry.</p>

Automotive Cybersecurity Team	The Automotive Cybersecurity Team addresses a growing number of standards and topics enhancing cybersecurity in the vehicle, including data security and privacy.
Simulation & Tooling	
<ul style="list-style-type: none"> digital. auto 	The digital.auto initiative aims to support OEMs in the adoption of VSS, SdV and COVESA standards by making it easy to rapidly explore the feasibility of new business ideas and features through an online playground. The playground can be utilized to build a portfolio of COVESA-supported use cases with high appeal to OEMs. This will help OEMs to fully utilize COVESA standards in the context of digital business models.
Vehicle Experience and Content / Entertainment BoF	The Vehicle Experience and Content / Entertainment BoF provides a community for members to discuss, learn, and validate ideas and thought leadership as related to vehicle experience.
<ul style="list-style-type: none"> In-Vehicle Payment SIG 	The In-Vehicle Payment SIG explores standard and novel approaches for in-vehicle commerce and payments.
Commercial Vehicle BoF	Commercial Vehicle BoF identifies issues and gaps in the practical use of VSS for commercial vehicle fleets.
Connected Safety BoF	The goal of the Connected Safety BoF is to help motorists avoid crashes, minimize the consequence of crashes should they happen, and expedite recovery.

COVESA MARKETING & BRANDING

As a member-driven organization, it's critically important COVESA members elevate, amplify and promote COVESA and their contributions to the alliance.

The COVESA marketing team is prepared to support and collaborate with you on promotional activities including social media, press activities, and thought leadership content.

COVESA members who are interested in joining the [COVESA Marketing Team](#), please email marketing@covesa.global.

Using the COVESA Brand

The COVESA brand guidelines were created to facilitate and inspire communications that will present a clear and consistent identity for COVESA. To ensure proper usage of COVESA logos and branding, please follow the [COVESA Brand Guidelines](#). You can also find COVESA logo files and a PowerPoint template on the Wiki [here](#).

COVESA Blog

The [COVESA blog](#) features news, technology project updates and [implementations](#), [member profiles](#), and [member roundtables](#). Please email marketing@covesa.global if interested in contributing a blog article or participating in a member roundtable or profile article.

Press Releases

Issue a press release announcing your company as a new member of COVESA. Include a description of COVESA along with a quote from a COVESA spokesperson. COVESA is available to help draft content for your approval.

Collaborate with COVESA on a joint press announcement highlighting collaboration efforts on a technology project. Include a quote from your spokesperson. COVESA is available to help draft content for your approval.

COVESA Social Media Channels

Please take a moment to connect with COVESA and support us on our social media platforms and please share and communicate news about COVESA on your social media channels.

X

- Follow COVESA [@COVESAglobal](#) and share our news
- Tag COVESA when appropriate – [@covesaglobal](#)

LinkedIn

- Follow COVESA at [Connected Vehicle Systems Alliance](#) and “Like”, “Share” and comment on our posts to extend the reach of our news
- Tag COVESA when appropriate – [Connected Vehicle Systems Alliance](#)