Understanding and Engaging in COVESPA Expert Groups & Projects

Paul Boyes
Community Director
COVESPA
Topics/Questions:

• How is COVESA organized?
• How to find out what is going on in COVESA?
• What do I need to be equipped with to work with COVESA?
• What contribution models does COVESA use and require?
• How do I launch a new (or expand an existing) activity within COVESA?
• Who can answer my questions regarding COVESA?
COVESA is Member Driven

- All Teams, Groups, Projects, and Work Product are conceived and launched by members
- All COVESA Teams, Groups, and Projects are led by members
- All work product is produced through member collaboration and contribution
- Without members COVESA does not exist

- Bring your collaborative ideas and needs
- Keep COVESA thriving... Please Engage
What would you like to know about COVESA?
How is COVESSA organized?
Simple Organizational Overview

Board of Directors

Technical Steering Team

Expert Group

Expert Group

Expert Group

Birds of a Feather

Birds of a Feather

Project

Project

Project

Project

Project
## Organizational Groups

<table>
<thead>
<tr>
<th>Team/Group Name</th>
<th>Description</th>
<th>Requires Board Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board of Directors</td>
<td>Executive governing body of COVESA</td>
<td>Yes</td>
</tr>
<tr>
<td>Technical Steering Team</td>
<td>Board designated Team providing technical guidance and governance across all Groups and Projects</td>
<td>Yes</td>
</tr>
<tr>
<td>Expert Group</td>
<td>A Board approved Group formed to advance a specific domain (e.g. EV Charging) through a Project or series of Projects</td>
<td>Yes</td>
</tr>
<tr>
<td>Project</td>
<td>Specific work done in the open associated with an EG, BoF, or Team resulting in work product</td>
<td>Yes and No</td>
</tr>
<tr>
<td>Birds of a Feather</td>
<td>Informal group with common interest in advancing a topic, typically formed around a proof-of-concept project, white paper, or similar work product</td>
<td>No</td>
</tr>
<tr>
<td>Special Interest Group</td>
<td>Another type of BoF, but phasing out in favor of launched projects or Expert Groups</td>
<td>Yes</td>
</tr>
</tbody>
</table>
How is COVES A Organized?

Board of Directors

Technical Steering Team

Data Expert Group
- Electric Vehicle Charging Expert Group
  - Vehicle Charge Event Data Aggregation
  - EV Optimization
  - Private Cross OEM Joint Compute
    • digital.auto
- AOSP App Framework Standardization Expert Group
  - Camera API
  - Emulator
  - Alternate to Push Notifications
- Commercial Vehicle BoF
  - VSS to VHAL
- Safety BoF
  - Project

Data Architecture/Infrastructure
- Data Centric Architectures
- Zonal Architecture
- Deployment Scenarios
- Reference Implementations

Interface Definition
- Common Vehicle Interfaces
- IFEX
- uServices
- W3C VISS
- Vehicle API

Best Practices and Guidelines
- Governance
- Privacy and Identity
- Data Model and Definition
- API First

Data Models/Ontologies
- VSS Project
- VSSc
- HIM
- VSS to Android VHAL
- digital.auto

Legend
- Data Expert Group Dependent
- Data Expert Group Independent

Vehicle Experience BoF
- Vehicle Wallet
- In-vehicle Commerce

Safety BoF
- Project

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How do I find out what is going on in COVESA?

**COVESA Website**
https://covesa.global

- News and Events
- Current Members
- Projects
- How to join
- Blog
How do I find out what is going on in COVESA?

COVESA Wiki
https://wiki.covesa.global

- Getting Started
- Community Calendar
- Communication Channels
- Group/Collaborative Projects
- More...
How do I find out what is going on in COVESA?

Community Calendar
- Weekly Open Meetings
- Spotlight Series
- Quarterly Introduction to VSS
- Quarterly Workshops
How do I find out what is going on in COVESA?

Communication Channels

- Slack
- Google Groups/Mailing Lists
- LinkedIn
- Twitter

[Image of Communication Channels diagram]
How do I find out what is going on in COVES?

Previous AMM Material

- Presentations
- Videos
Attend AMM Sessions: There is a lot going on...

• AOSP App Framework Standardization
  • Alternative to Push Notifications
• Data Expert Group
  • Common Vehicle Interfaces
    • From Concept to Reality: How Data-Centric Vehicle APIs Shape Software-Defined Vehicle
    • The Hierarchical Information Model (HIM) and an Interface Using It
    • uServices – A Step towards a standardized vehicle Interfaces for SDV
    • DDS and Data-Centric Communications
  • Data Modeling
    • Introduction to Vehicle Signal Specification
    • Integrate VSS with Automotive Systems: Aligning Data Collection with Business Requirements
    • VSS Evolvement
  • Architecture
    • VSS-based Data Middleware Tiered Sync - Proof of Concept
    • Discussion of community led Central Data Service reference playground
• EV Charging
  • VSS360° View of EV Alliances and Initiatives in the Public Charging World: Why VSS and Common Data Models Matter
  • EV Power Optimization Walkthrough
  • Cross OEM Private Compute
• Commercial Vehicles
  • Range anxiety mitigation through fleet level energy prediction
  • Building COVESLA Guidelines into the Eclipse Fleet Management Blueprint
  • In-vehicle Consent Management & Services at Scale
• Safety BoF Launch
  • Scenario Creation
• Vehicle Experience Explore
  • All Collaboration Workshop
How do I find out what is going on in COVESQA?

**AMM Sessions**

- News->Events->Register
  - [https://www.eventleaf.com/e/COVESAA MM23US](https://www.eventleaf.com/e/COVESAA MM23US)
- Event Guide App at bottom of the Registration page

*GET GUIDE APP*
What do I need to be equipped with to work with COVESA?

Wiki Account - For Editing
- [https://wiki.covesa.global](https://wiki.covesa.global)
- Request one to [help@covesa.global](mailto:help@covesa.global)
Note: Everyone can view wiki without account

GitHub Account - For Contributing
- [https://github.com/COVESA](https://github.com/COVESA)
- [https://github.com/signup](https://github.com/signup)
Note: Everyone can view GitHub repos without account

Appropriate IP Agreement
- [https://www.covesa.global/contribute](https://www.covesa.global/contribute)
- Contribution License Agreement
- Developer Certificate of Origin
- Antitrust Guidelines

Communication Channel Access
- Slack Account
- Google Account
- See [https://wiki.covesa.global/display/WIK4/COVESA+Communication+Channels+and+Calendars](https://wiki.covesa.global/display/WIK4/COVESA+Communication+Channels+and+Calendars)
How do I launch a new activity in COVESA?
How do I launch a new activity in COVESA?

**Explore**
- Member Idea/Need (Tech or Business)
  - Submit 1 Pager
- Existing Activity Expansion
  - Ideation
    - Awareness; Initial Recruitment
  - Defining Problem Building Critical Mass (Iterative; max of 1 year)

**Incubate**
- COVESA Birds-of-a-Feather
  - Submit Proposal
- Board-Approved COVESA Activity (Expert Group, Team, Special Interest Group, Project)
  - Examples:
    - Electrification, Vehicle Experience, Content, Entertainment, Automotive AOSP App Framework Standardization, Commercial Vehicles, Private Compute...

**Launch**
- Launch & Steady State Operations Monthly Mtgs
How do I launch a new activity?

• Member has a new idea or need (tech or business) or wants to expand an existing Project.

• Member summarizes idea in a summary "1 pager" and submits it to COVESA Community Director:
  • What it is and its value to the community
  • Why it matters

• Member and Community Director present to and recruit community for participation and collaboration.
  • Non-members may be invited to the Project presentation as it makes sense

• Project Lead, community and Community Director collaborate to write a charter
  • Further defines value to the community
  • Scope
  • Deliverables
  • Timeline

• Project Lead, community and Community Director establish regular meeting cadence to progress the Project.

For details and examples go to https://wiki.covesa.global/display/WIK4/Member+Project+Launch+Process
Recent Examples:

<table>
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<td>Commercial Vehicle Birds of a Feather</td>
</tr>
<tr>
<td>AOSP App Framework Standardization Expert Group</td>
</tr>
<tr>
<td>Safety Birds of a Feather (Launching)</td>
</tr>
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</table>
Who answers my questions in COVESOA?
Who answers my questions in COVESA?

• Expert Group or Project Related
  – Expert Group Chair
  – Project Lead
  – Community Director - Paul Boyes - paul.boyes@covesa.global

• General COVESA
  – Executive Director - Steve Crumb - scrumb@covesa.global
  – Community Director - Paul Boyes - paul.boyes@covesa.global

• Wiki Access
  – help@covesa.global

• If All Else Fails
  – help@covesa.global