COVESA

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# Understanding and Engaging in COVESA Expert Groups & Projects

Topics/Questions:

- What COVESA is and what it isn't

- 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?

- How do I launch a new (or expand an existing) activity within COVESA?

- Who can answer my questions regarding COVESA?

COVESA
Accelerating the future of connected vehicles

COVESA Is…

- An **open, collaborative community** of connected vehicle executives and experts

- A technical alliance that **identifies and develops common solutions** for **industry-relevant problems**

- An organization that believes the industry requires **open exchange and open adoption**

- A **business network** in which buyers and sellers can freely interact during showcases
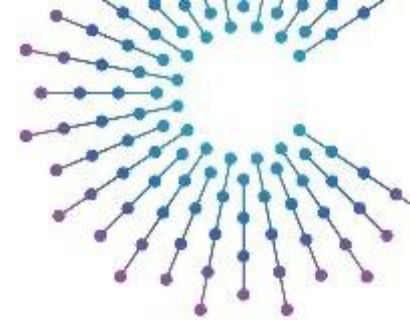
COVESA is Member Driven Community

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

COVESA Is Not …

- A **closed, members-only repository** of licensed intellectual property (e.g., IP Pool)

- A **supplier that produces commercial solutions** for specific organizations

- A top-down, "**one-size-fits-all" approach** that leverages the historical OEM-Supplier model of software development

- **Only a technical alliance** that doesn't care about the necessity of an ecosystem for productization and adoption
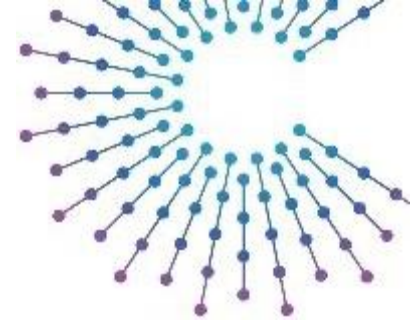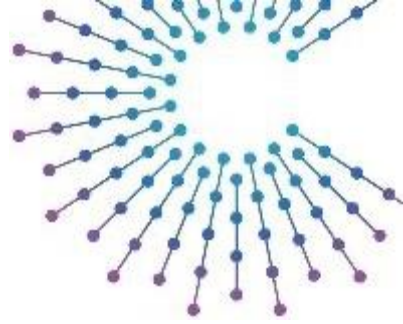
How does COVESA work openly?
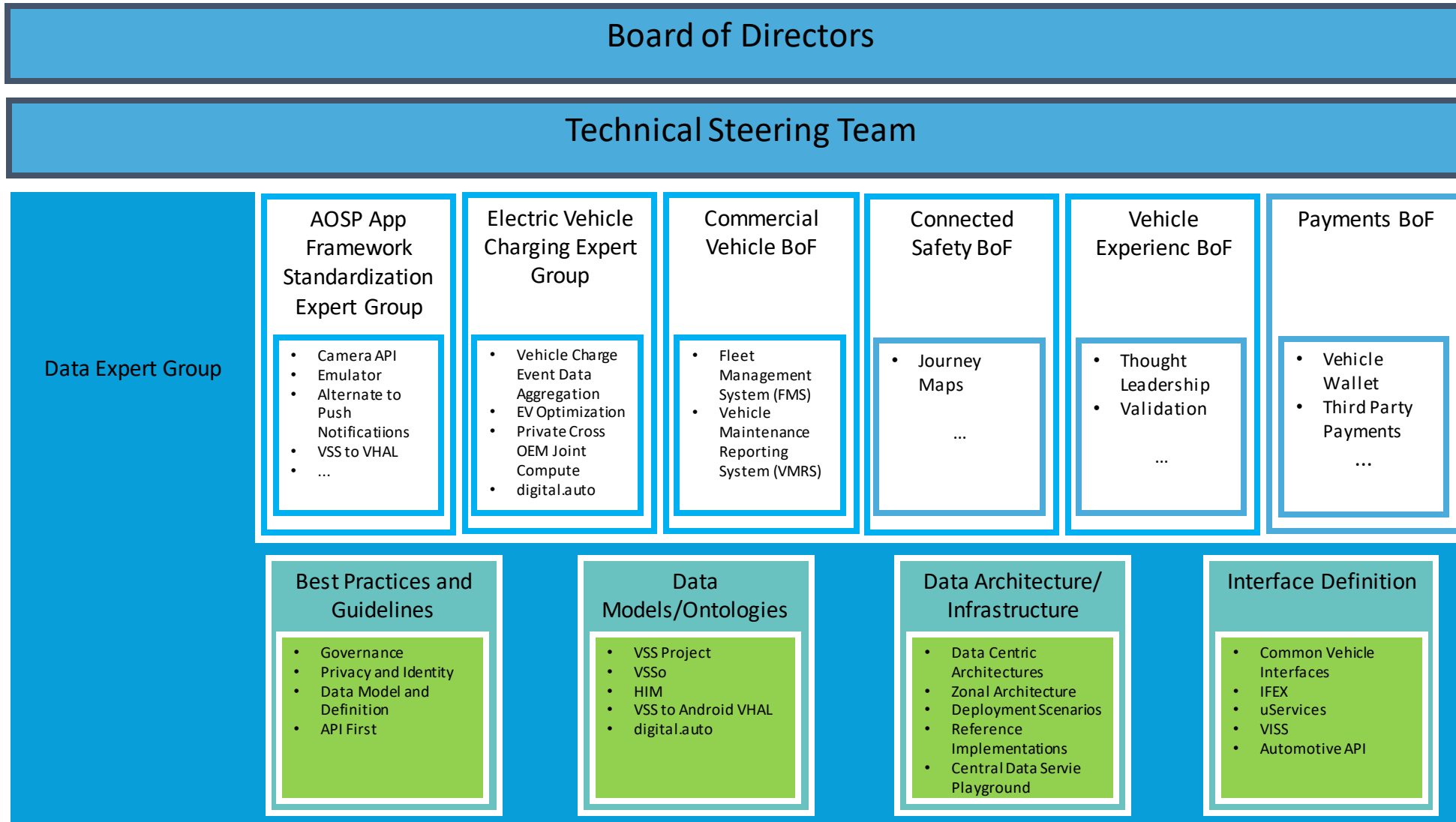
Chartered or Defined Activities
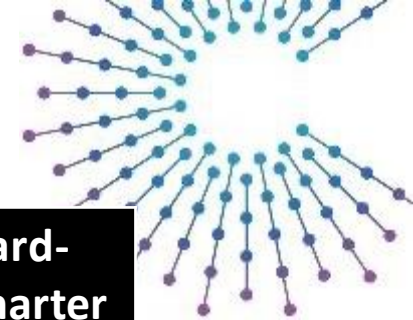
Team/Group Name	Description	Requires Board-Approved Charter
Technical Steering Team	Board appointed Team providing technical guidance and governance across all Groups and Projects	Yes
Expert Group (EG)	Board approved activity formed to advance a specific domain (e.g. EV Charging) through a Project or series of Projects	Yes
Project	Specific work done in the open associated with an EG, BoF, or Team resulting in work product	Yes and No
Birds of a Feather (BoF)	Informal group with common interest in advancing a topic, typically formed around a proof-of-concept project, white paper, or similar work product	No, but a brief description document is required

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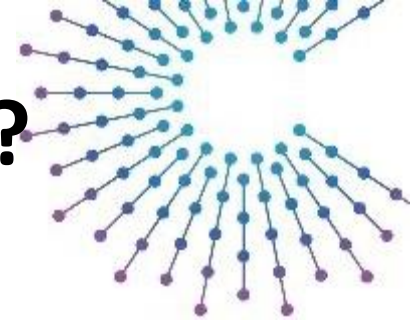Accelerating the future of connected vehicles

What is a Charter?

- Describes the "why", "what" and "how" of a Team, Expert Group or Project

- Essential to any COVESA activity

  – Birds of a Feather need a scaled down version for their activity, but goal is to produce a full Charter

- Stipulates (open) licensing model used for code and documents

- Sets the priorities and boundaries for a COVESA activity

How is COVESA Organized?

Board of Directors

Technical Steering Team

Data Expert Group

AOSP App Framework Standardization Expert Group

- Camera API
- Emulator
- Alternate to Push Notifications
- VSS to VHAL
- ...

Electric Vehicle Charging Expert Group

- Vehicle Charge Event Data Aggregation
- EV Optimization
- Private Cross OEM Joint Compute
- digital.auto

Commercial Vehicle BoF

- Fleet Management System (FMS)
- Vehicle Maintenance Reporting System (VMRS)

Connected Safety BoF

- Journey Maps
  ...

Vehicle Experienc BoF

- Thought Leadership
- Validation
  ...

Payments BoF

- Vehicle Wallet
- Third Party Payments
  ...

Best Practices and Guidelines

- Governance
- Privacy and Identity
- Data Model and Definition
- API First

Data Models/Ontologies

- VSS Project
- VSSo
- HIM
- VSS to Android VHAL
- digital.auto

Data Architecture/ Infrastructure

- Data Centric Architectures
- Zonal Architecture
- Deployment Scenarios
- Reference Implementations
- Central Data Servie Playground

Interface Definition

- Common Vehicle Interfaces
- IFEX
- uServices
- VISS
- Automotive API

How do I get involved in an Expert Group or Project?

Get Familiar with Group or Project

- Read Charter

- Join the Regular Meetings/Calls (see [Community Calendar](#))

- Contact the Chairs

- Come to an All Member Meeting

Collaborate and Contribute

- Ideas

- Use Cases

- Code

- Specs

- Architectures

- Backlog

- Become Chair

- Start a Group

- Blog postings

- Contact me: **pboyes@covesa.global**

What is a Birds of a Feather and why does COVESA have them?
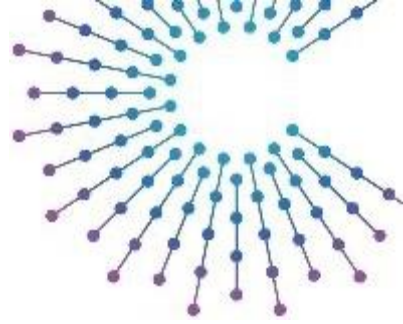
- Exploratory group centered on a member-driven concept or potential work product

- Primary goals are:

  – Refine the problem and identify potential solutions to address

  – Recruit other interested members

  – Develop a Charter

- BoF's should have a timeline from concept to Charter of not more than a year

  – Not all BoF's convert to a Chartered activity

Where do I go to get involved?

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

COVESA Website	**COVESA Wiki**	**GitHub**
https://covesa.global	https://wiki.covesa.global	https://github.com/COVESA

COVESA Website

https://covesa.global

- News and Events
- Current Members
- Group
- Projects
- How to join
- Blog

COVESA Wiki

https://wiki.covesa.global

- Getting Started
- Community Calendar
- Communication Channels
- Group/Collaborative Projects
- More...

GitHub

https://github.com/COVESA

- Code Repositories
- Projects
- Releases

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?

Previous AMM Material
- Presentations
- Videos

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

AMM Sessions

- News->Events->Register
  - https://www.eventleaf.com/e/AMMGothenburg2024

- Event Guide App at bottom of the Registration page

GET GUIDE APP

ATTENDEE PASSES   AGENDA   SPEAKERS   SHOWCASE   SPONSORS   HOTEL   MORE INFO

COVESA All Member Meeting 2024 - Gothenburg, Sweden

REGISTER

9:00 AM - 9:45 AM   Data Expert Group Working Session - Status Update
This session will provide an update and status of the Data Expert Group.
1. What has been done since last AMM
2. What is the focus/being done at this AMM
3. What is the focus until next AMM
`Working Session`

9:30 AM - 9:55 AM   Development Efficiency in a Safe and Secure World
The automotive industry is in a race to transform, and grow software capabilities efficiently. What are the real needs for the future development organizations, and what does it mean for the entire ecosystem?
`Thought Leadership`

9:30 AM - 10:00 AM   AOSP App Framework Standardization Expert Group Working Session - Status Update
Provide status of Expert Group.
1. What has been done since last AMM
2. What is the focus/being done at this AMM
3. What is the focus until next AMM
`Working Session`

9:45 AM - 10:30 AM   Learning VSS: A Deeper Dive
Taking the next steps with your understanding of VSS. Learn from the pros as they walk through some how tos. Get your

What do I need to be equipped with to work with COVESA?

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What do I need to be equipped with to work with COVESA?

Wiki Account - For Editing

- https://wiki.covesa.global

- Request one to help@covesa.global

Note: Everyone can view wiki without account

GitHub Account - For Contributing

- https://github.com/COVESA

- https://github.com/signup

Note: Everyone can view GitHub repos without account

Appropriate IP Agreement
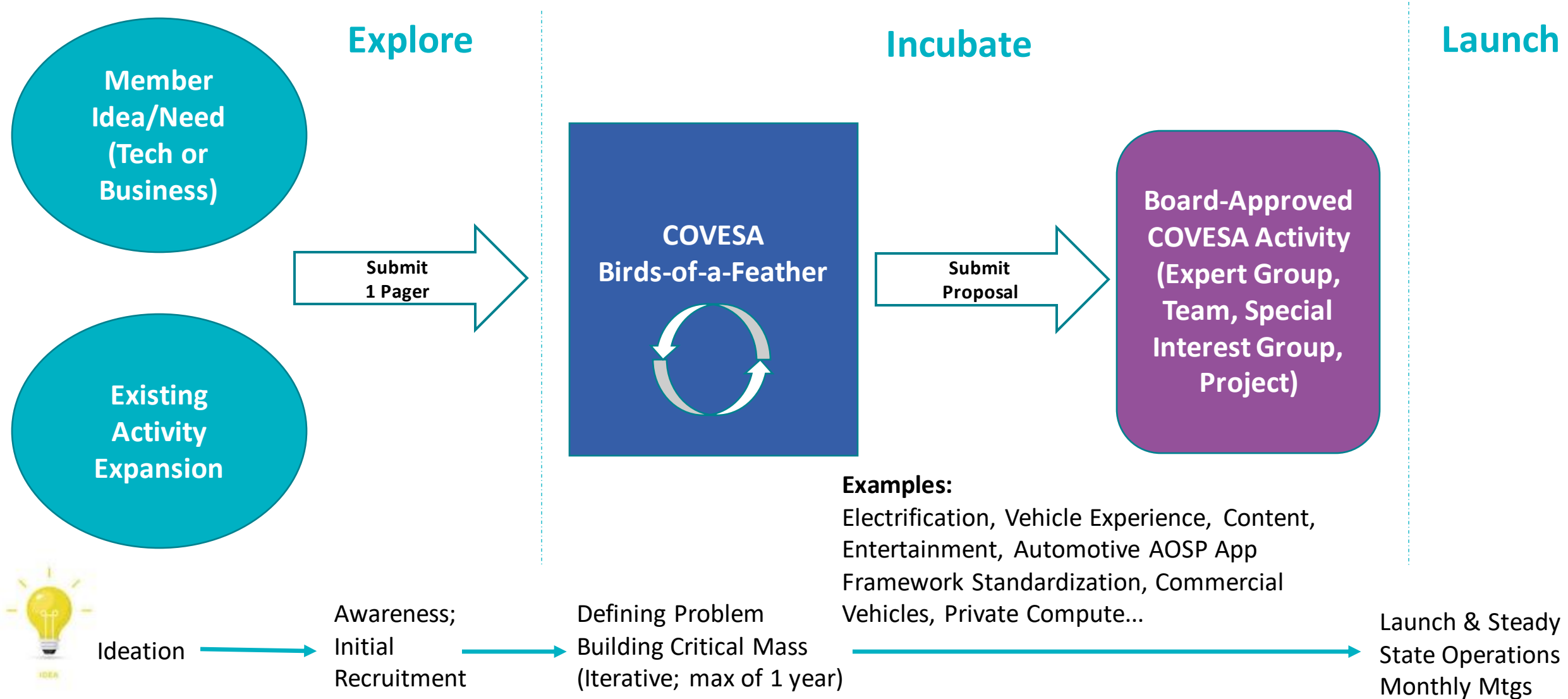
- https://www.covesa.global/contribute

- 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

How do I launch a new activity in COVESA?

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How do I launch a new activity in COVESA?

Explore **Incubate** **Launch**

Member Idea/Need (Tech or Business)

Existing Activity Expansion

→ Submit 1 Pager →

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...

Ideation → Awareness; Initial Recruitment → Defining Problem Building Critical Mass (Iterative; max of 1 year) → 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.

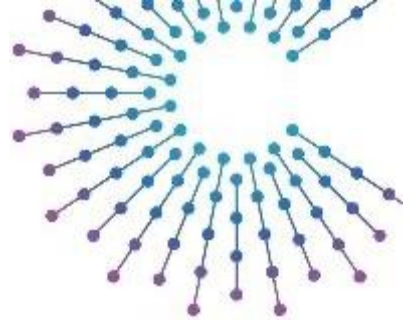**Process for Future Engagements**
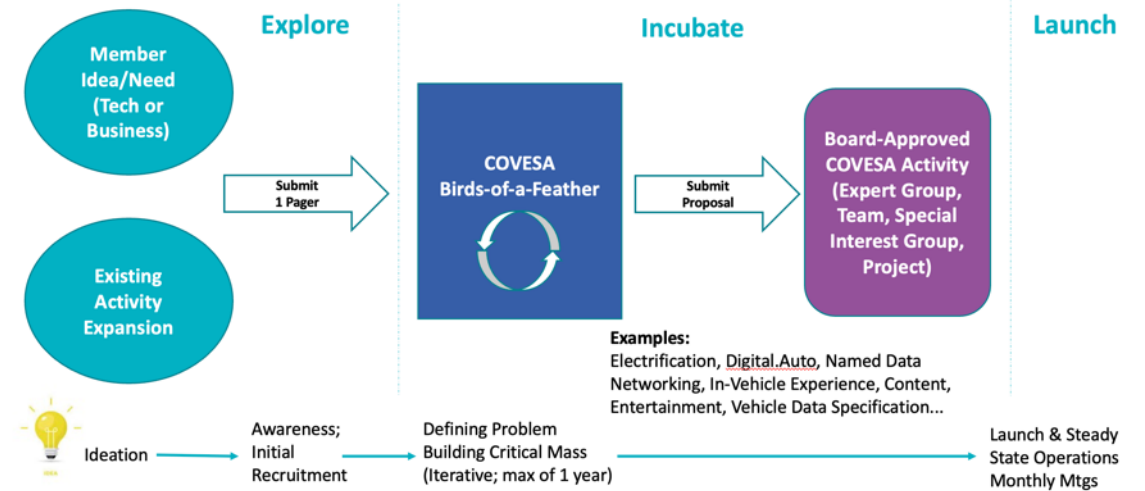
For details and examples go to
https://wiki.covesa.global/display/WIK4/Member+Project+Launch+Process

Examples:

Group
Connected Safety Birds of a Feather
Commercial Vehicle Birds of a Feather
AOSP App Framework Standardization Expert Group

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Who answers my questions in COVESA?

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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
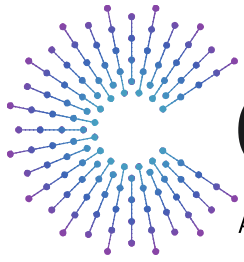
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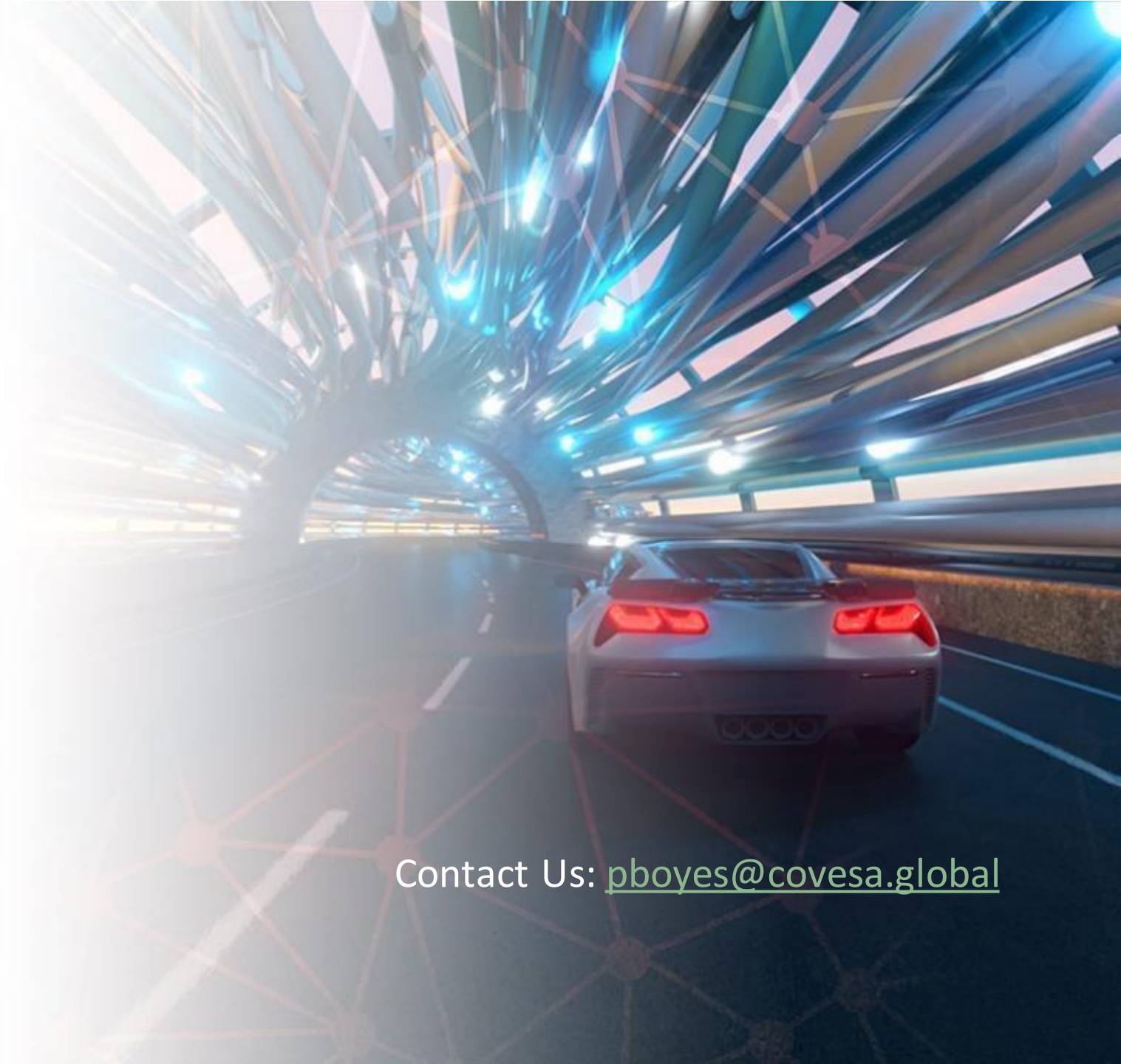
Contact Us: pboyes@covesa.global