5GAA support to V2X pilots and projects
5GAA brings together the automotive and telecommunications industries to accelerate the global deployment of Cellular Vehicle-To-Everything (C-V2X) as a first step towards a fully integrated intelligent transport system with 5G.

5GAA unites 90+ members* from around the world working together on all aspects of C-V2X including technology, standards, spectrum, policy, regulations, testing, business models and go-to-market.

*as of Sept 2018

Driving Europe's Connected Mobility Forward
What is C-V2X (Vehicle to Everything)?

C-V2X is a comprehensive road safety and traffic efficiency solution that allows vehicles to communicate with:

- **Other vehicles (V2V),**
- **Pedestrians and Cyclists via smartphones (V2P),**
- **Road infrastructure (V2I),** supported by the
- **Mobile network (V2N)** to guarantee full coverage and continuity of services.
Why Cellular V2X (C-V2X)?

C-V2X is a future proof, comprehensive unified platform for connected vehicles, safety and transportation. C-V2X includes both short-range direct communication through PC5, and long-range cellular network communication through Uu – that are together paving the way to 5G.

- **C-V2X** allows for low-latency, direct safety, communication to work without network coverage.
- Can operate without a SIM or network assistance.
- Allows larger signal propagation range and earlier warning.
- Improved location tracking with global navigation satellite system (GNSS).
- Can use the network to acquire timing information if GNSS is unavailable.
- Can rely on other cars for synchronization.
5GAA proposal support principles
(send email to Liaison@5gaa.org)

1. 5GAA supports any proposal in line with the support criteria (see next slide)
2. Proposals may include the name of 5GAA in their proposal as a supporting organization
3. Formal signature of a LoS only after the proposal is accepted for funding.
Proposal for Criteria

• Alignment with the scope of 5GAA:
  • 5G technologies for automotive, transport and mobility
  • C-V2X specifications, tests and deployment; Conformance; Interoperability; Spectrum; MEC; Slicing; Security; Data Privacy

• Minimum of *five* or 30% of 5GAA members

• Clear role for 5GAA:
  • Member of Advisory group;
  • Active contribution at project events (KoM, GA, workshops);
  • peer-review of Deliverables.

• Intention to exploit results within 5GAA
For more information please contact:

5gaa-liaison@5gaa.org

or visit:

www.5GAA.org