

5G Carolina



Key achievements:

- Evaluation of OEMs' CCAM Requirements detailed for 5 Use Cases (Cooperative Line Change, Emergency Trajectory Alignment, ..., Platooning)
- Two solution concepts (Neutral Hosting / Legacy upgrade) for active & passive Infrastructure
- CAPEX Cost Model for Deployment in
 - Czechia (100-110 T€ per km)
 - Bavaria (130-150 T€ per km)



Challenges and recommendations

Main challenges

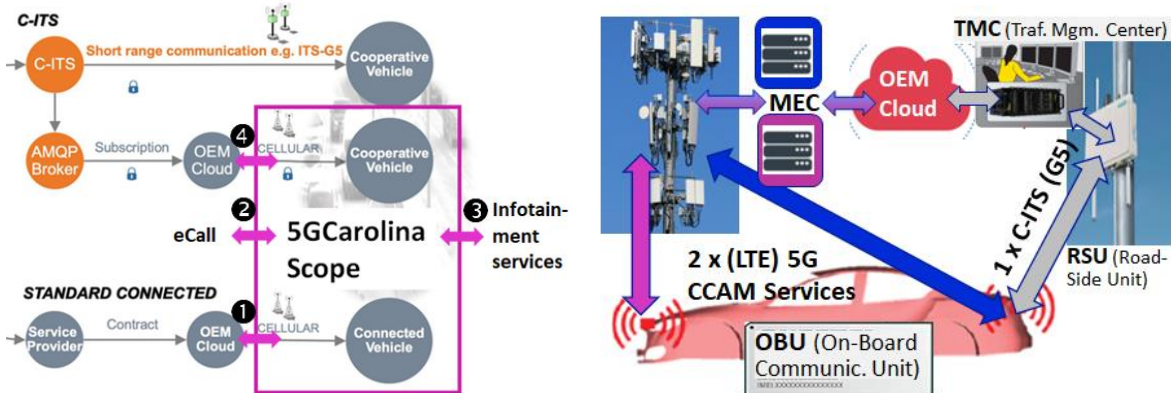
1. Active OEMs Participation



2. As infrastructure to be deployed alongside highways, road operators are key partners

3. Neutral host by active sharing to enable required synergies

4. Coopetition for the best-fit CCAM services



5. Project delivery/financing until 12/2027 latest



Funded by the European Union

Recommendations

1a) Keep the OEMs in the driver seat ...

1b) Support all phases of the Vehicle development (R&D, Proving Grounds, Test-/Real-Traffic-Corridors)

2) EU & national authorities to encourage road operators' engagement

3) EU & national authorities to support scenarios promoting synergies

4a) Cooperate, when possible - compete, when necessary only...

4b) C-ITS and cellular based CCAM Services are complementary

4c) Cellular based technology can extend and accelerate the deployment of OEMs use cases

4d) Faster EU-wide standardization for current and NG eCall needed

5) To plan on-time achievable measures only

