WORKING GROUP 2: Coordination and cooperation of R&I and testing activities

Motivation

Testing connected and automated driving technologies on open roads is essential to make progress on the technology development, assess the safety and performance of these technologies, anticipate user and customer expectations and analyse potential impacts on society. The European Commission supports several large-scale demonstration pilot projects to test highly automated driving systems as well as the development of a network of pan-European 5G cross-border corridors for large-scale testing and early deployment of advanced connectivity supporting connected and automated driving. In addition, many large-scale tests of automated passenger cars and trucks and shared automated mobility services are already ongoing in several Member States and many more tests can be expected in the next years.

In order to better exploit synergies between all ongoing tests in Europe, it makes sense to support the coordination of EU supported / financed R&I projects as well as pilots, demonstrations, large-scale testing and pre-deployment activities in Europe, with a focus on cross border issues, related to highly automated vehicles and driving systems for passenger vehicles, freight transport and shared mobility services. This Working Groups aims at improving the exchange of knowledge, experience, data of large-scale tests and to develop common approaches for testing and assessing impacts.

This Working Group can build on already ongoing activities of the H2020 project ARCADE in relation to a European knowledge base on projects and programmes as well as on common frameworks, methodologies and standards for evaluation and data sharing of tests in the area of connected and automated driving.

Scope

This working group will focus, inter alia, on the development of recommendations for the following areas:

- Set up a knowledge base with the aim to gather and exchange experiences, best practices and knowledge on pilots, demonstrations and large-scale trials;
- Develop a common evaluation methodology in order to allow for comparison of results between tests. This includes establishing key performance indicators and common framework for the assessments of impacts from large-scale trials on safety, on mobility, and on the environment;
- Identify how access to, and exchange of, vehicle and infrastructure data may be facilitated through testing and pre-deployment activities, and assist in establishing a data governance framework in this context, taking into account the provisions and the implementation of relevant Commission Delegated Regulations under the Intelligent Transport Directive (2010/40/EU)