



Rijkswaterstaat
Ministry of Infrastructure
and Water Management

Cooperative ITS Corridor

Successful launch of interoperable hybrid C-ITS services and InterCor TestFest in the UK

Hybrid C-ITS services are now operational on the A16 motorway near Dordrecht. On this section of the Dutch part of the C-ITS Corridor, the Road Works Warning (RWW) and In-Vehicle Signage (IVS) services are operating in a hybrid combination of ITS-G5 (Wifi-p) and cellular communication. In order to validate international interoperability, the Corridor project participated in a Hybrid TestFest in October 2018, organised by the partly EU-financed InterCor project. The TestFest showed that, although there is a good basis for cross-border interoperability, attention still needs to be paid to harmonising the detailed choices within the standards.

The InterCor (Interoperable Corridors) project aims to enable vehicles and road infrastructure to communicate data through cellular or ITS-G5 networks, or a hybrid combination of them, on road corridors within France, Belgium, the United Kingdom and the Netherlands. In this project technical specifications are validated in a broad context to enable the roll-out of interoperable C-ITS services. The Dutch part of the C-ITS Corridor project is the technical core of the Dutch contribution to InterCor.

Objective of the Hybrid TestFest

After TestFests on ITS-G5 and security, the UK partners in InterCor (Department for Transport, Highways England, Kent County Council and Transport for London) organised the third TestFest. The main objective of this TestFest was to test Infrastructure-to-Vehicle (I2V) services operating in a hybrid combination of ITS-G5 and cellular communication systems.

Cross-border intelligent mobility

The Cooperative ITS Corridor project is a cooperation of road operators in the Netherlands, Germany and Austria. Together with industrial partners, the road operators are working towards the introduction of Cooperative ITS services in Europe.

Initially, the C-ITS Corridor focussed on two services:

- Road Works Warning (RWW)
- Probe Vehicle Data (PVD, sensor data from vehicles)

The Netherlands is additionally also developing:

- Collision Risk Warning (CRW, stationary vehicles warning)
- In-Vehicle Signage (IVS)

The C-ITS Corridor project has carried out large-scale tests (pre-deployments) on various stretches of the Dutch section of the Rotterdam-Frankfurt-Vienna corridor. The project has participated in similar tests in Germany ('Probetrieb'), has organised and participated in the InterCor ITS-G5 TestFest in the Netherlands and participated in the InterCor PKI Security TestFest in France. These tests provided the Corridor project with a solid basis for the technical specifications of the services. Results were shared with the C-Roads platform to contribute to a complete harmonisation at European level.

