C-Roads welcomes the adoption of the revision of the ITS Directive

Europe is the global leader in V2X deployment! More than 100.000 km of roads covering 18 European countries are enabled for V2X services – also known as Cooperative ITS (C-ITS) services; also more than 50 European cities are about to deploy C-ITS/V2X services on their transport networks, which also encompasses multimodal C-ITS/V2X services.

The revision of the ITS Directive further consolidates the regulatory framework around C-ITS/V2X in Europe. The successful deployment of these services requires a stable security credential management system, sufficient radio spectrum for short-range communication and a trustful cooperation between all stakeholders, especially road operators and automotive industry. With the revised ITS Directive the EU further strengthens the foundations of C-ITS/V2X and establishes legal certainty. The Directive now forms the legal basis for an EU wide security credential management system that has been developed and put into operation in the past years now becoming a permanent public cybersecurity asset of the EU. It offers a security credential management system truly independent of road operators and automotive OEMs, open to all and hence ensuring trusted and interoperable C-ITS/V2X services.

The European C-Roads Platform unites 18 European Transport Ministries and their road infrastructure partners and works in close cooperation with automotive OEMs, organised in the Car2Car Communication Consortium. Together we specify the C-ITS/V2X use-cases and assure interoperability. Our specifications foresee a mix of short-range communication (starting with ITS-G5) for safety critical low latency services and long-range IP-based communication in a hybrid communication approach. C-Roads partners have deployed and continue to actively deploy these services.

Europe offers 70 MHz of harmonised radio spectrum for ITS in the 5.9 GHz frequency band. We believe that this sufficient amount of radio spectrum as well as the regulatory stability around that spectrum enabled an EU-wide implementing decision for the successful launch of the so-called 'C-ITS Day 1' services. More than 1.5 million production vehicles are equipped, and Europe's road infrastructure on motorways and in cities is ready to provide C-ITS/V2X road safety services today. To ensure continuous roll-out of road safety services the spectrum must stay open and accessible without fragmentation in technological neutral manner.

The success of C-ITS/V2X also depends on establishing the necessary rules in order to create a stable regulatory environment for C-ITS/V2X services. With the revision of the ITS Directive the EU has moved forward consolidating the current deployment and creating the precondition for innovative Day-2 and Day-3 use cases that will form the basis for higher levels of automation and make Europe's road safer.

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