

Horizontal Activity Roadworks Information

Roadworks information systems are important to enhance safety along the URSA MAJOR neo network. Furthermore, they significantly contribute to avoid congestion and improve road traffic efficiency by enabling road works coordination across the border of operator responsibilities and sharing road works information data with end user services, e.g. navigation. Digitalisation of all processes in the transport system - in particular roadworks planning and execution - is a major requisite for future connected and automated mobility.

Many URSA MAJOR neo partners are currently implementing new or upgrading their existing roadworks information and management systems. Furthermore, new C-ITS based hazard warning services include roadworks warning and need to be fuelled by accurate (in time and space) roadworks information. It is important that the partners share - and coordinate, if required - their innovation and upgrade plans right from the beginning to enable a corridor-wide, seamless information service and to activate synergy effects.

In this context, particular attention needs to be given to the implementation of EU Delegated Regulations 886, 962, 1926 and the Delegated Regulation on C-ITS expected to be published in autumn this year.

This approach to provide roadworks information is only one step towards fully digitalised traffic regulation information, which is seen as a major requirement for future connected and automated mobility. Vehicles will in the future need a supporting digital infrastructure, which will provide all required information about the vehicle environment. This will include accurate information about the road network at increasing geospatial resolution and level of detail. Roadworks imply major interventions in this environment with temporary changes, which need to be known by the vehicles when they approach a section affected by roadworks. Future services need to connect data about the basic infrastructure in the affected area, the traffic regulations issued for this section and the actual implementation status of the roadworks on-site in one single, digital dataset that is available to all affected stakeholders in real-time.



The URSA MAJOR neo activities include implementations that improve roadworks management and information systems and digitalise road traffic regulations in the context of roadworks. The deployed systems create immediate benefit for roadworks coordination and current ITS services like navigation, while at the same time pave the way for future connected, automated driving.

In order to achieve this, the URSA MAJOR neo partners accompany their roadworks related actions with a corresponding horizontal activity to share experience, align requirements and assess the impact of such improved roadworks systems.



For further information please contact

Dipl.-Ing. Stephanie Kleine

Ministerium für Wirtschaft, Verkehr, Landwirtschaft
und Weinbau Rheinland-Pfalz

Acting International Project Coordinator of URSA MAJOR

Tel.: + 49 6131 162 182 | E-Mail: Stephanie.Kleine@mwvlw.rlp.de

Web: www.mwvlw.rlp.de

