

ART-04-2016 - Safety and end-user acceptance aspects of road automation in the transition period

H2020-ART-2016-2017



Improved Trustworthiness and Weather-Independence of Conditionally Automated Vehicles in Mixed Traffic Scenarios

D2.4

System specification and requirements for specified traffic scenarios



This report is part of a project that has received funding from European Union's Horizon 2020 research and innovation programme under grant agreement No 723324.
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Publishable Summary

The whole deliverable consolidates the use cases by clustering them into the different fields of road users. These are trucks and commercial vehicles, public transportation, passenger cars as well as vulnerable road users.

The actual state of the art of the L3AD scenarios and simulator studies is reviewed before the results of the questionnaires are explained in detail.

This deliverable describes in detail the use cases focused on within TrustVehicle, including deep information about the background and the motivation. This includes the expected added value of the respective use case and how it relates to the objectives of the whole TrustVehicle project. Every use case provider describes in this deliverable his use case in terms of requirements to fulfil the use case with respect to the needed input of other partners. In addition, it is described what kind of measurable parameters or key performance indicators will be used to verify the output of the use case. In a third part the use case description defines the whole system specification and how the design of the system, software and or hardware is done to execute the use case. Finally, the design of the demonstration is sketched to provide a detailed view of how the demonstration will take place and what will be shown.

Key Words

Level 3 automated driving, requirements for automated driving functions, automated driving clusters, use case, use case design, use case demonstration.