

PROJECT

ACTIVETEST

Dissemination of Performance Testing Methods for ICT-based Safety Functions in Road Vehicles

Funding: European (7th RTD Framework Programme)

Duration: Jan 2011 - Jan 2013

Status: Complete with results

Total project cost: €690,194

EU contribution: €520,000



Call for proposal: FP7-ICT-2009-6

[CORDIS RCN : 97242](#)

Background & policy context:

The development of road vehicles during the past decade has led to vehicles with improved passive safety. Airbags, seat belts and protective structures have increased safety for the drivers, passengers and lately also pedestrians. Testing programmes for assessment of these passive safety measures have been established. ICT-based safety functions (active safety) such as electronic stability control (ESC) and lane departure warning (LDW) have been introduced.

The largest future improvements of road safety are expected to rely on such safety functions with the aim to prevent accidents from happening. The ICT-based functions are under rapid development and there is presently no generally accepted assessment programme in place. Several research and development initiatives are currently running both on European and national level within the Member States of the European Union. Examples of European research projects are the eVALUE project and the ASSESS project. There are also ongoing initiatives within EuroNCAP on an assessment programme for ICT-based safety. The greening of the transport system will result in lighter road vehicles, which will emphasize the requirement for ICT-based safety functions to prevent vehicles from crashing. User awareness has to be raised on the benefits on ICT-based safety functions.

Objectives:

The ActiveTest initiative had the objective to disseminate performance testing methods for ICT-based safety functions in road vehicles by: demonstrating performance testing of ICT-based safety functions, disseminating the test programme developed in the eVALUE research project, establishing an active dialogue with key stakeholder groups, compiling an overview of the state-of-the-art and an outlook for future research need, contacting standardisation organisations for road vehicles with research results and creating awareness of the need of standardised performance testing of ICT-based safety functions.

Methodology:

The objective of the ActiveTest initiative was to disseminate performance testing methods for ICT-based safety functions in road vehicles by:

- demonstrating performance testing of ICT-based safety functions
- disseminating the test programme developed in the eVALUE research project
- establishing an active dialogue with key stakeholder groups
- compiling an outlook for future research need
- contacting standardisation organisations for road vehicles with research results
- creating awareness of the need of standardised performance testing of ICT-based safety functions

Parent Programmes:

[FP7-ICT - Information and Communication Technologies](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Rise Research Institutes Of Sweden Ab

Address:

Scheelevägen 27
22370 Lund
Sweden

EU Contribution: €210,542

Partner Organisations:

Rheinisch-Westfaelische Technische Hochschule Aachen

Address:

Templergraben
52062 Aachen
Germany

Organisation Website:

<http://www.rwth-aachen.de>

EU Contribution: €154,251

Idiada Automotive Technology Sa

Address:

L Albornar
43710 Santa Oliva
Spain

EU Contribution: €155,207

Technologies:

Safety systems
Technologies to improve road safety

Development phase: Research/Invention

Key Results:

Preliminary results

The study does not demonstrate any final results yet as it is still underway at the time this was published. However, it has borne intermediate results including a draft version of the roadmap for future research - testing of active safety functions in road vehicles. The final version of the roadmap will be published at the end of the project.

Furthermore, three workshops have taken place in order to disseminate performance testing methods for ICT-based safety functions in road vehicles.

Strategy targets

An efficient and integrated mobility system: *Acting on transport safety: saving thousands of lives*

Documents:

 [D2.1 - First workshop.pdf \(Other project deliverable\)](#)

STRIA Roadmaps: Cooperative, connected and automated transport

Transport mode: Road transport

Transport sectors: Passenger transport, Freight transport
Societal/Economic issues,

Transport policies: Decarbonisation

Geo-spatial type: Other