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TeleFOTinco

Field Operational Tests of Aftermarket and Nomadic Devices in Vehicles - International cooperation aspects

European Commission
Information Society and Media

This European traffic ICT project supports international cooperation between the FP7 project TeleFOT and the non-European projects "SafeTrip-21", "VMC project" and "Ubiquitous Transportation Systems".

At a Glance

Project:
TeleFOTinco - Field Operational Tests of Aftermarket and Nomadic Devices in Vehicles - International cooperation aspects

Project coordinator:
Mr. Petri Mononen, VTT Technical Research Centre of Finland.

Partners from:
The project includes representatives from the European institutes of VTT, Loughborough University, University of Modena and Reggio Emilia and Cidaut; and additionally international partner projects from South Korea and USA.

Duration: 32 months

Total cost: EUR 200.000 (Community funding EUR 100.000)

Programme: FP7-ICT

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Objectives

GENERAL OBJECTIVES

The objectives of the *parent project* TeleFOT are to assess the impacts of functions provided by aftermarket and nomadic devices in vehicles and raise wide awareness of their traffic safety potential. TeleFOTinco project supports international cooperation between TeleFOT and selected non-European FOT projects.

SPECIFIC OBJECTIVES

The TeleFOTinco project supports international cooperation between TeleFOT and SafeTrip21 (USA: University of California PATH & NAVTEQ), VMC (South Korea, ETRI) and "Ubiquitous Transportation Systems" (South Korea, KOTI) by multilateral exchange of information and knowledge.

It was found beneficial for both European and overseas partners to get together, discuss essential methodological issues, exchange views on testing, services and business models associated with the use aftermarket devices in vehicles. Also the objective is to find a common methodological basis in order improve comparability of tests in different regions worldwide. The main thing these countries share is the use of nomadic and aftermarket devices as one platform or interface for informing drivers of events and conditions having significance to their travel. All projects assume that cooperative

driving technologies will make an essential part of the future driver assistance functions and services. All cooperation partners find it important to know the impacts of these systems on travellers' behaviour and choices and the role of aftermarket devices in this.

Networking

NETWORKING IN FOT FIELD

Currently a number of networking activities have already taken place in the FOT field. Different projects have got together, and in Europe the first joint activities are underway between EuroFOT and TeleFOT. Concerning overseas cooperation the partners have made first contacts and networking both on the project level and then also on governmental level when the cooperation agreement between USA and Europe was signed. The FOT-net support actions serve as contact point for FOTs both in Europe and worldwide.

COMPLEMENTING THE NETWORKING

The international cooperation complements in an excellent way the abovementioned networking activities, especially since the project is going to enter into the detailed planning of methodology with both experimental design issues as well as technical details related to data collection, handling, transfer and analysis.

All projects assume that cooperative driving technologies will make an essential part of the future driver assistance functions and services. Furthermore, the cooperation partners find it important to know the impacts of these systems on travellers' behaviour and choices and the role of aftermarket devices in this.

Knowing that similar types of activities are underway elsewhere like in USA and Korea, selected members of the TeleFOT consortium looked for cooperation outside Europe in USA and Korea. Especially USA is experienced in Field Operational Tests and Korea in innovative communication technologies and services, and while also some European countries are advanced in providing services for travellers, it was found beneficial for both European and overseas projects to get together.

Benefits and significance

As an added value, TeleFOT may test its own ideas with partner projects and possibly also agree on methods to apply to comparable partner tests overseas. Furthermore, towards the end of the project, data analysis and parameters used also need discussion, even though the project has an idea of what to measure and how: looking for common solutions on Methodological issues with partner projects will enhance the comparability and application of methods and results.

One of the most prominent issues to be addressed by international cooperation is the test design and in particular how to carry out tests observing the principles of a rigid control and economic design. As one of the main topics, cooperation in this area will especially focus on agreeing on how to conduct testing in order to be able to draw causal conclusions.

Also business cases, how to collect data, create services out of the data collected and potential customers are also important issues that need international attention.

In such a perspective, as an overall benefit, TeleFOT, as well as all projects involved, is supposed to gain a higher quality RTD results, while developing standards and interoperable solutions and strengthening competitiveness.

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