Field Operational Tests (FOTs)

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are large-scale test programmes aiming at a comprehensive assessment of the efficiency, quality, robustness and user-friendliness of ICT solutions for smarter, safer and cleaner vehicles and real-time network management

FOT: the missing ring in the R&D chain

- Several systems have been developed (e.g.in PReVENT & AIDE)
- Demonstrations have been used to test the technical and functional behaviour but often constrained to controlled conditions and in limited scale
- This situation has created a true need for improved knowledge on questions that are crucial for a faster market deployment:
  - how drivers use intelligent systems;
  - what are their short and long term effects;
  - how system performance could be further improved.

Objectives

Objectives of FOT in FP7

1. Validate the effectiveness of ICT based systems for safer, cleaner and more efficient transport in a real environment
2. Analyse driver behaviour and user acceptance
3. Analyse and assess the impact of intelligent safety and efficiency functions using real data
4. Improve awareness on the potential of intelligent transport systems and create socio economic acceptance
5. To obtain technical data for system design and product development
6. To ensure the transferability of the FOT results at National, European and International level.

Things to know about FOT

FOT:

- Carried out at European level according to the FESTA handbook and a common methodology;
- Focus on Mature systems;
- Provide databases of real data for research;
- Evaluate IVSS generic functions (and not branded products);
- Integrate on EU and International level

Field Operational Tests

Planning FOT

- **Phase 1: First call**
  - Ramping up of FOT; to analyse and establish the structure, organisation, running conditions and assessment methodology of FOT in Europe
- **Phase 2: Second call**
  - FOT on technically mature ICT systems, including technical, user acceptance, efficiency and deployment aspects
- **Phase 3: Future calls**
  - FOT on co-operative systems
- **Labelling and Networking of FOTs**

Field Operational Tests
The Call 2 projects

euroFOT (IP)
aims to identify and co-ordinate in-the-field testing of new intelligent vehicle systems that have the potential to improve the quality of European road traffic. The tests will be designed to assess and validate the effectiveness of systems under normal driving conditions. In addition, euroFOT will analyse user acceptance as a measure of potential market penetration.

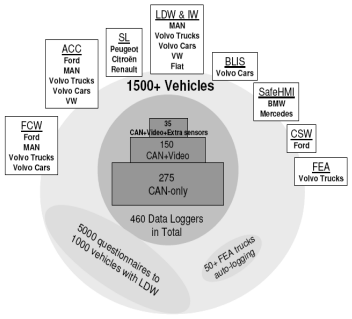
TELEFOT (IP)
proposes to assess the impact of the functions, provided by after-market and nomadic devices, promoting safe, economic and fuel efficient driving. The selected functions will be associated with driving-related information sources, including speed, traffic, and weather, with the assessment focused on usability, driving behaviour and safety.

FOT-Net (CSA-SA)
aims to establish a platform that is open to all public and private sector stakeholders, which will facilitate the exchange of information and networking of existing and future national, European and global FOT activities. The platform will also enable benchmarking.

euroFOT (IP)

Mission:

Assess the impact from the usage of Intelligent Vehicle Systems in real traffic for a safer, cleaner, and more efficient transport system in Europe



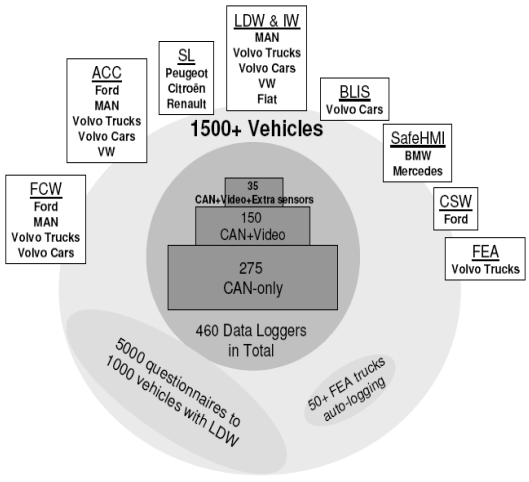
Research Topics:

Analysis based on real data of:

- performance and capability of several IVSS
- driver behaviour and user acceptance.
- impacts on safety, efficiency, and on the environment
- contribute to support the decision process in the deployment of ICT based systems for mobility.
- large data base in public domain

Coordinator: Ford
Total costs: ± 22 M€
EC contribution: 14 M€
Start date: 1/05/2008
Duration: 40 months

euroFOT (IP)



TELEFOT (IP)

Mission:

To assess the impacts of functions provided by aftermarket and nomadic devices in vehicles and raise awareness on their potential for improving road safety and efficiency

Research Topics:

Analysis will be done on a large fleet (3.000 drivers) for a number of functions promoting safety/ efficiency assessing:

- driver behaviour and user acceptance.
- impacts on safety, efficiency, and on the environment
- impact on the transport system
- attention will also be paid on negative effects

The project also aims to contribute to user awareness and speeding up deployment

Coordinator: VTT
Total costs: ± 14 M€
EC contribution: 9,7 M€
Start date: 1/06/2008
Duration: 48 months

TELEFOT (IP)

FOT-Net (SA)

Mission:

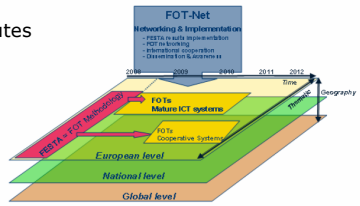
Strategic networking of existing and future National, European and Global FOTs (e.g. US and Japan).

Focus:

- Public Authorities/ FOT funding organisations (EC, national, regional and cities)
- Industry: Vehicle Manufacturers; Automotive Suppliers; Service Providers (including telecom operators)
  - Research Institutes
  - Users

Research Topics:

- FOT-Net will establish a European networking body for National,
- European and Global FOTs where all stakeholders from public and private sectors are represented. Then
- FOT-Net will contribute to improve significance, visibility, comparability and transferability of available FOT
- results at National and European level by promoting the implementation of a common FOT methodology
- (FESTA results).



Coordinator: ERTICO
Total costs: ± 1.2m€
EC contribution: 1.2m€
Start date: 1/06/2008
Duration: 24 months

FOT-Net (SA)