

First version of the FOTsis Manual now available!



Meticulous preparation and step-by step guidance is a key element of any successful Field Operational Test. To this end, the FOTsis project has just released the first version of the FOTsis Manual which will serve as a guidance document for the various FOTs over their whole life cycle, i.e. from design to execution and subsequent analysis.

This Manual is based on the FESTA methodology and will be adapted to the needs of the FOTsis services and test-communities. Furthermore, it will be updated on a regular basis to take into account the scientific and technical developments in the V2I & I2V domain areas.

The FOTsis manual is divided into three main parts:

- A description of the Services to be tested
- The Research Questions, Hypothesis and Performance Indicators to be used for the final service evaluation
- A summary of the FOTsis implementation plan following the FESTA methodology Handbook

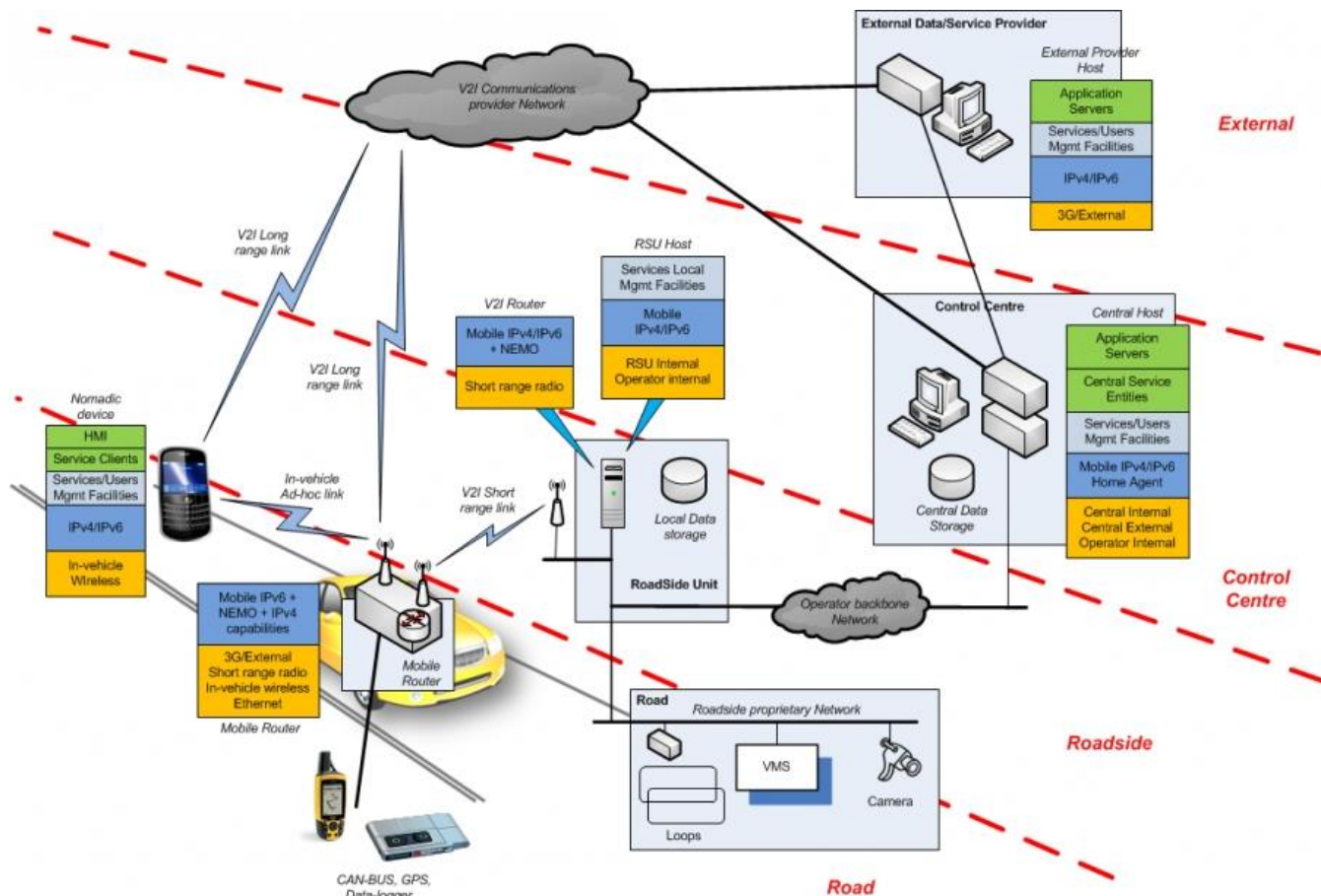
The **service description** contains a general overview of each service, their impacts on safety, mobility and sustainability as well as a description of the test-sites.

Identifying the use cases constitutes the first step for defining the **related research questions** on the potential effects of the FOTsis services, based on an analysis of their potential impacts on road traffic. It is on the basis of the research questions that the project will identify the performance indicators for the FOTsis services' performance and influence on traffic and driver behaviour that will be elaborated in the manual.

The final part of the manual is the **FOTsis implementation Plan** (FOTIP) that is intended to serve primarily as a checklist for planning and running FOTs:

- To identify the list of tasks that have proved to be essential by other successful FOT and, thus should not be forgotten
- To guarantee that critical points are identified from the beginning of the project by all the team members

FOTsis architecture



System architecture is a key milestone for the successful deployment of any Field Operational Test. During the last 12 months, the FOTsis project has worked intensively to arrive at a common specification for this system architecture. More specifically, a dedicated working group was set up to look into the issue and examine the different options available. The result is a common architecture that meets the requirements of the services and the proposed tests for the different scenarios envisaged within the project.

The FOTsis architecture is based on the communications architecture EN 302 665 published by ETSI, settling on specific elements for the definition of the corresponding ITS Stations proposed in the standard for operational and test purposes, and making use of the most advanced technologies in cooperative systems.

The architecture will integrate wireless technologies such as IEEE 802.11.p, 3G and IEEE 802.11b/ g / n, together with IPv6 and advanced network capabilities to ensure seamless communications between the vehicles and the road infrastructure. Data sources include data bus CAN and GNSS positioning devices, as well as road environment data from external providers.

Objectives

FOTs will soon be launching its campaign to attract volunteer drivers that will participate in the Field Operational Tests (FOTs) deployed by the project across nine test-sites (of four test-communities) A total of 7 services will be tested, the so called FOTs services:

- **S1: Emergency Management**
- **S2: Safety Incident Management**
- **S3: Intelligent Congestion Control**
- **S4: Dynamic Route Planning**
- **S5: Special Vehicle Tracking**
- **S6: Advanced Enforcement**
- **S7: Infrastructure Safety Assessment**

A high number of volunteers will be required to match the scale of the trials. Naturally, the profile of the drivers will depend on the nature of the services tested. Thus, whereas the project can rely on normal drivers for services S2, S3, S4, S6 and S7, it will require special drivers for the S5 and emergency vehicle drivers for S1.



The comprehensive recruitment strategy will be deployed to attract volunteers that will rest on the following pillars:

- Highway advertisement (brochures, flyers, leaflets) on toll barriers, rest and service areas and industrial sites adjacent to the Test Sites
- Internet/Websites advertisement that will be carried out mainly via the dedicated sites of the FOTs project and toll operators. The possibility of involving other related projects and traffic related organisations will be examined
- Campaign toward motorist club of the FIA
- Car hire companies advertisement

The participation will be encouraged by giving incentives to the volunteers, like, for example, the provision of free smart phone applications.

The Field Tests will take place in four different locations across Europe, in Spain, Portugal, Greece and Germany. They are expected to commence in October 2012 and will last for a total of 18 months.



Find public deliverables, ITS Events and more at
FOTs website!

www.fotsis.com

FOTsis in the Press

Read more about FOTsis in the following publications

- [Strade e Autostrade Sept/Oct](#)
- [Liikenteen suunta - Jan 2012](#)
- [CONSTRUIR - February 2012](#)
- [Straßenverkehrstechnik - March 2012](#)

Meetings

- 31/01/2012 – FOTsis 3rd Steering Committee
- 31/01/2012 – WP4000 Kicks off in Lisbon
- 26/04/2012 – 3rd General Assembly and 4th Steering Committee

Where have you met FOTsis project

20/10/11 – ITS World Congress :

The World Congress on Intelligent Transport Systems, set up in Orlando from October 16-20, gathered representatives of the leading transportation policy makers, technology, and business professionals, from America, Europe and Asia Pacific.

FOTsis, as one of the innovative ITS European projects for infrastructure services development, was invited as speaker to the Special Session “Field Operational Tests: Moving Ahead Towards ITS Deployment”. The project status was presented there, as well as its underlying deployment and exploitation plans.

28/11/11 – FOT-NET Stakeholders Workshop

On 28 November 2011, FOT-NET held its 6th stakeholder workshop. The meeting was split in three dedicated sessions on:

- a) The general objectives of the FOT-NET project and the on-going revision of the FESTA methodology
- b) How FOT results can be effectively exploited by policymakers for the benefit of citizens
- c) The concept of large scale actions and innovation incubators in view of the EC-funded project SATIE



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