

Validation of Communication Architecture and Configuration of Test Sites



After months of intensive work, the FOTsis project has successfully validated its communication's architecture as it prepares for the launch of the FOTsis.

The validation of the FOTsis communications architecture is part of the general FOTsis architecture validation, which includes both internal tests and different activities with external entities. One of the main tools for the communications architecture validation is the architecture pilot testing activities, undertaken with the main objective of verifying and validating on-site, several of the solutions which would finally set the base for the services deployments in different test-sites for the full FOT data collection stage.

FOTsis communications architecture pilot tests have been conducted in Grândola (Baixo Alentejo, Portugal) on May/June 2012 and A2 1 st stretch (Madrid, Spain) in October 2012 and march 2013. In all three tests, the overall objective has been to verify as thoroughly as possible several aspects of the communications systems deployed as implementation of the proposed FOTsis communications architecture. These aspects cover elements such as radio links between the vehicles and the roadside equipment, IPv6 mobility tests to ensure seamless end-to-end communication with the user and performance checking for different communication parameters.

The Portuguese test included long range 3G and two short range 802.11n hotspots, and covered end-to-end connectivity between the vehicle equipment and an application server via a communications management centre in Paris. For the Spanish tests, the deployed test-bed included long range 3G and two short range 802.11p hotspots, with two communications management entities at the highway control centre. The results for both tests have been positive, and fulfil the requirements of the services to be deployed at the test sites.

One of the main points of the architecture tests is the fact that the system deployed resembles as much as possible the final configuration and setup that will be used during the FOT, and thus when planning the tests, particular care was taken in the process of selection of location of different equipment, from WiFi hotspots to the communication management entities, to guarantee the maximum of portability between the testing environment and the actual deployment for the FOT. In addition, specific working groups have been created to address the activities and issues which might arise during the communications and services deployment at each site.

FOTsis and ITSSv6 sign cooperation agreement



FOTsis project and ITSSv6 project have signed a cooperation agreement. With this document, both project consortiums express their interest to cooperate on the deployment of IPv6 for Cooperative Intelligent Transportation Systems (Cooperative ITS) services on a mutually beneficial basis and to exchange results.

The Cooperation Agreement was signed taking advantage of the presence of both project coordinators, Federico García-Linares and Thierry Ernst, during the last ITS World Congress held in Vienna last October 2012.

More information about ITSSv6 project can be found at their website: www.itssv6.eu

FOTsis cooperates with Amsterdam Group



OHL Concesiones, FOTsis Project Coordinator, has joined the ranks of the Amsterdam Group. Comprised of road operators (ASECAP), road authorities (CEDR), urban transport authorities (POLIS) and the Car to Car Communication Consortium, the Amsterdam Group implements one of the important recommendations of the eSafety Intelligent Infrastructure Working Group, i.e. forming a group of stakeholders aiming at finding a way for the large-scale deploying of Cooperative ITS (C-ITS).

Apart from providing its expertise as road operator, OHL Concesiones, as FOTsis Project Coordinator, will bring the project's findings into the Amsterdam Group meetings. Both OHL Concesiones and UPM have been already present in the last meetings. During the meeting held in Amsterdam on 28th February 2013, Emiliio Cacheiro (OHL Concesiones) made a presentation on "FOTsis - Amsterdam Group and expectations to each other". During the last meeting, also held in Amsterdam on 23rd April 2013, José Manuel Menéndez (UPM) further elaborate on FOTsis findings, particularly with regards to interoperability of C-ITS communications' architectures.

More information about Amsterdam Group: www.amsterdamgroup.eu

FOTsis Club Holds its first workshop



On 19th March 2013, the FOTsis project held the 1st meeting of the FOTsis Club. Envisaged as a platform for privileged interaction, the FOTsis Club will on one hand, allow the FOTsis partners to diffuse to a specialised knowledge first-hand information about the Project and its development and, on the other, obtain valuable feedback from experts in the field on key assumptions of the Project and at key phases of development.

The first workshop was devoted mainly to the FOTsis Communications Architecture, interoperability issues and FOTsis cooperation with other initiative and was attended by around 45 experts.

In total, the FOTsis Club will hold three meeting throughout its lifespan. For more information about the FOTsis Club, please contact FOTsis Dissemination leader, Konstandinos Diamandouros, k.diamandouros@erf.be.

Successful FOTsis presence in IT World Congress



FOTsis was present in several ways at the ITS World Congress held in Vienna. Firstly, the project carried out a joint demonstration together with the project ITSSv6, showing a successful and effective integration of ITSSv6 ITS Station Stack with the FOTsis environment.

Secondly, FOTsis colleagues attended several meetings as FOT-Net Fifth international workshop and the iMobility Forum.

Thirdly, FOTsis colleagues presented FOTsis developments in sessions as “Weather applications and services in FOT’s” by Pertti Nurmi from the Finnish Meteorological Institute. Finally, and taking advantage of the presence of FOTsis colleagues in the congress, two major project meetings were held in Vienna: the 5th Steering Committee meeting and the 5th General Assembly.

FOTsis Movie now available

The FOTsis project has released a short video describing the main objectives of the project:

Please click [here](#) to watch it.

FOTsis now on Twitter

The FOTsis project is now on twitter.... [Follow us](#)

FOTsis in the Press

Read more about FOTsis in the following publications:

[Intertraffic World \(December 2012\)](#)

[Traffic Technology International Oct/Nov 2012](#)

[Thinking Highways North America – October 2012](#)

Where have you met FOTsis project

22-26 October 2012: ITS World Congress, Vienna

26 November 2012: FOT-NET Seminar on Complementarity of Cooperative Systems, Brussels

12 December 2012: COMeSafety Webinar on Cooperative ITS Evaluation

14-15 January 2013: HeERO 2 Kick-off meeting, Madrid

28 February 2013: Amsterdam Group Meeting

15-17 April 2013: I-Mobility Forum Concertation Workshop, Brussels

23 April: Amsterdam Group Meeting

25 April 2013: FOT-NET seminar ‘Tools for gathering and analysing’, Berlin

14-15 May 2013: I-Mobility Support Workshop on Standardisation and Certification for ITS, Brussels

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