



“SATLOC and GNSS application to rail dissemination conference “

Brasov, Romania, 24 and 25 April 2014.



SATLOC and GNSS application to rail dissemination conference takes place at Brasov, Romania, on 24 and 25 April 2014.

The event enables to directly acknowledge the feasibility and efficiency of the full speed supervision train control, compatible with ETCS, but migrating to new technologies on the natural path of technologic progress.

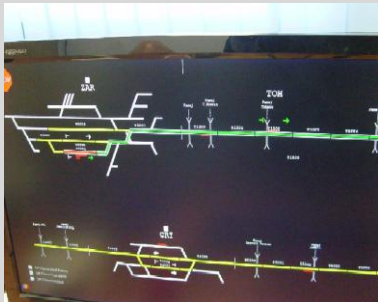


The event is organized in Brasov, where SATLOC pilot line Brasov- Zarnesti is in function. The technical visit will enable to see the first real scale application of train control based on ETCS but with GNSS absolute positioning of trains and with wide-band train-ground communication

- Brasov is not only the peak technology host, but offers also the opportunity to see the rich inheritance of a glorious historic background.
- SATLOC trains on the pilot line run close to the Rasnov castle and Bran castle known from the legend of “Dracula”. The event can also combine the high-tech with the rich cultural background.

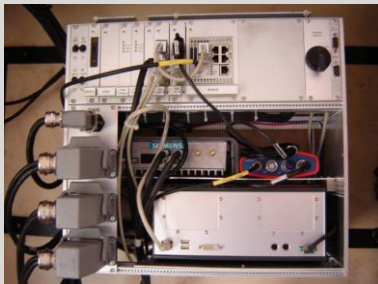


SATLOC marks the adoption of GNSS (EGNOS+GALILEO+GPS) in the rail primary safety and paves the way to the introduction of GNSS in the rail safety domain. Application is in a broad context since it introduces the GNSS train positioning and speed determination with Safety of Life characteristics in all critical operations of a railway line. The project includes the development of new rail integrated operational concept, software, hardware, services and datasets compatible with the current evolution of the rail signalling and rail standards.



Successful introduction of the new technology in the railway safety needs accreditation of new mode of thinking, demonstration of operational safety, innovation, convincing demonstration of concept and lifting of technical and mentality barriers.

This is the case of GNSS applications in railway safety – the most challenging application domain to promote EGNOS and GALILEO to rail.



Important innovation is demonstrated to show in a real operational environment the concept feasibility and efficiency SATLOC demonstrates new opportunities of information transmission via peak technologies of GPRS/UMTS in the Virtual Private Networks of the market telecommunication at marginal cost.

Looking forward welcoming you to SATLOC Conference, April 2014!



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