

2nd B2B LOCO conference

Summary of presentation titled:

EasyWay – Intelligent infrastructure and intelligent freight RFID based services

made by

**Dean Herenda, Ministry of Transport Slovenia
Bojan Merlin, GENE d.o.o., Slovenia**

Grand Hotel Metropol, Portorož, 27. 5. 2011

EasyWay is a project for Europe-wide ITS deployment on main TERN corridors driven by national road authorities and operators. It sets clear targets, identifies the set of necessary ITS European services to deploy (Traveller Information, Traffic Management and Freight and Logistic Services) and is an efficient platform that allows the European mobility stakeholders to achieve a coordinated and combined deployment of these pan-European services. The current level of service needs to be enhanced by improving the existing infrastructure and systems, filling in remaining gaps in network coverage and ensuring a continuity of service on the TERN corridors.

Freight and Logistics services provide comprehensive, seamless, accurate and dynamic information about road conditions and accompany many traffic management measures to improve road network performance. Such information enables informed route choices, thus improving transport efficiency. Cross-border network management, proper monitoring, handling of dangerous and oversized goods transport and easily understandable advice to all drivers will increase traffic safety on the TERN. The provision of relevant information about national regulations and restrictions as well as designated routes and administrative handling are important issues for future “e-commerce” services for freight. The proposed services will accommodate the growing flow of HGVs on the TERN through capacity management and rerouting advice. This includes supporting the transfer of goods transport from road to other modes through integrated information services and physical transfer hubs. Co-modality can be achieved by facilitating the shift from one transport mode to another via the harmonization of standards and the integration of the various transport modes into efficient logistics chains. EasyWay projects will enhance access to modal and intermodal exchange points for the European freight community.

Intelligent infrastructure and intelligent freight RFID (Radio Frequency Identification) based services is the proposed concept of EU level information service oriented multimodal tracking of vehicles (intelligent assets) and goods (intelligent logistic units) on TEN corridors based on the passage of RFID tags through antenna gate systems - readers (intelligent infrastructure). Service is based on records of crossed points in time. It would be possible to track assets (vehicles, wagons, trailers) and logistic units (pallets, containers, boxes,...) through their multi-modal journey from point of departure to the destination across the



Europe or wider. System should be based on developed by logistics industry standardized RFID record according to GS1 numbering and included in GS1 system (extension of closed logistic chain to the open infrastructure). Service of tracking could be provided by infrastructure operator (highway, safe parking, road and rail), logistic centres/ports or the logistic companies which are connected to the national network where all involved parties could be the providers or users of the service. National centres would be connected in European network of national systems for either commercial tracking or public service (dangerous goods and special cargo monitoring).