

**EasyWay**



Annual Forum 2010

**Shortcut to the future.**  
Lisbon • November 16<sup>th</sup>-18<sup>th</sup>



**EasyWay**



Annual Forum 2010



**Shortcut to the future.**  
Lisbon • November 16<sup>th</sup>-18<sup>th</sup>

Romanian ITS Strategy and the Network of  
Traffic Management Centres in Romania

Florin Nemtanu - ITS Romania

Cristian Andrei – CN ADNR



## Issues:

- Romanian ITS Strategy
- Traffic Control Centres
- Network of TCCs
- Minimum requirements for TCC
- Timeline (proposal)
- Recommendations
- Conclusions



# Romanian ITS Strategy

- User needs & ITS Architecture
- Levels of ITS Services
- Operating Environments
- Medium and long terms strategies



## Traffic Control Centres

- Monitoring of traffic, weather and road conditions
- Traffic Information Centres functions
- Hierarchical organisation – national, regional and local



## Network of TCCs

- National TCC
- Regional TCC
- Local TCC
- DATEX 2
- Intermodal exchange of data (CoITS – demonstrator exchange of data between RIS and ITS for roads)



## Minimum requirements for TCC

- Functional requirements
- Technical requirements
- Safety requirements
- European cooperation (DATEX 2 links)



## Timeline (plan)

- 2010 – first regional and national TCC
- 2011 – improvement of national TCC
- 2011- 2012 – 4 regional TCC (Timisoara, Craiova, Iasi, Cluj) – DATEX2 (link with Hungary)
- 2013-2014 – 3 regional TCCs and TCCs for corridors



# Conclusions

- Strategy – connection with EWII & ITS Directive
- The role of TCCs (strategic approach) – technical, business oriented (pilot system for TIS)
- TCCs – regional and national levels
- Network of TCCs – national coverage – links with european networks and other modes
- Minimum levels for TCCs – functional and technical



## Thank you for attention

- [florin.nemtanu@its-romania.ro](mailto:florin.nemtanu@its-romania.ro)
- [florin.nemtanu@ieee.org](mailto:florin.nemtanu@ieee.org)
- [www.its-romania.ro](http://www.its-romania.ro)