

## UNECE TEM and TER Projects

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### R E P O R T

#### **on the Workshops on Research and Development, Intelligent Transport Systems, Road/Rail Intermodal Innovations and Road Safety**

**27 – 31 March 2012, Ankara, Turkey**

1. The Workshops on Research and Development, Intelligent Transport Systems, Road/Rail Intermodal Innovations and Road Safety, organized jointly by the UN Economic Commission for Europe (UNECE), Trans-European North-South Motorway Project (TEM) and Trans-European Railway Project (TER) with the support of the Ministry of Transport of the Republic of Turkey was held on 27 – 31 March 2012 in Ankara, Turkey.
2. Representatives and experts of Austria, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Poland, Romania, Serbia, Slovakia, Slovenia and Turkey as well as the UNECE representative, TEM and TER Project Manager and the UNECE consultant took part in the workshop. The list of participants is attached to this report as its Annex 1.
3. Mr. H. Meelich, the UNECE TEM and TER Project Manager, opened the workshop, extending at the same time his thanks to the Turkish Government for its kind decision to host the event.
4. Mr. K. Bekos, Commercial Counsellor of the Austrian Embassy in Ankara, joined Mr. Meelich in thanking the Turkish organizers of the workshop and greatly appreciated the close collaboration of Turkish and Austrian firms and institutions in developing the transport sector in Turkey.
5. Mr. M. Arman, Director of Planning Department of the General Directorate of Highways and Mr. I. B. Cevik, Director of Foreign Relations Department of the General Directorate of State Railways in Ankara expressed their pleasure in welcoming the participants in Turkey and extended their appreciation and thanks to the UNECE and the Austrian Embassy in Ankara for their assistance and support in the course of preparing the workshop.
6. The first part of the workshop, devoted to the Intelligent Transport Systems, was moderated by Mrs. M.-S. Fouvez, UNECE Transport Division Regional Adviser. In introducing the topic, she summarized the UNECE activities aimed at promoting and development of the ITS solutions in the transport sphere. Using this opportunity, she also congratulated Mr. J. Kleniewski (Poland) to his new position of Chairman of the UNECE Inland Transport Committee.
7. Mr. S. Yilmaz of the General Directorate of Turkish Highways informed the workshop of ITS applications on Turkish road and motorway network (electronic toll collection, traffic management, traveller information systems).

8. Mr. T. Oranc, ASELSAN Traffic Systems Manager, delivered the presentation on development and application of traffic management systems and electronic toll collecting systems, exported by the company to altogether 39 countries.
9. Ms. A. Uyar of the ORTANA company made the participants acquainted with its traffic management and information systems applications.
10. Mr. A. Aschdjai-Benissi of the KAPSCH TrafficCom presented company's ITS solutions for road infrastructure, making possible an intelligent use of existing transport infrastructure capacities.
11. Ms. S. Noyan, Deputy Secretary General of BSEC, stressed the importance of the UNECE TEM and TER Projects and greatly appreciated the idea to convene the workshops. Transport development has been one of the most important working fields of BSEC and still is, as recently confirmed again at the BSEC ministerial meeting in Moscow.
12. Mr. R. Pflieg, CEO of the AustriaTech mentioned in his presentation on ITS and sustainable transportation system the safety, environmental and efficiency problems related to transport and informed the participants about the 19th ITS World Congress to be held on 22 – 26 October 2012 in Vienna.
13. Mr. N. Widmann of Austrian PrismaSolution company delivered to the workshop information on GIP, the Austrian reference network for ITS.
14. Mr. B. Buchner of ILF Ankara summarized the difficulties in the execution of transport projects as well as the challenges in the infrastructure sector in Turkey.
15. The next part of the workshop, moderated and introduced by Mr. W. Zottl of the Austrian Federal Railways (OeBB), dealt with the Investment Policy.
16. In this framework, Mr. I. B. Cevik of the General Directorate of Turkish State Railways (TCDD) informed the workshop of the current situation of the TCDD, its development including the construction of high speed railway lines and future projects in the framework of the Vision 2023 (100th anniversary of the Republic).
17. Mr. W. Zottl (OeBB) acted as the moderator also of the next session of the workshop dedicated to the Research and Development.
18. Mr. W. Weilingner of the Austrian Hottinger Baldwin Messtechnik (HBM) company introduced its ARGOS(R) - an accurate wayside train monitoring system.
19. Mr. A. Gmeiner-Ghali of the Voith Turbo GmbH company provided information about the electrical traction systems' requirements and their implementation inter alia in Turkey and Finland.

20. Mr. L. Irinciuc of the Ubimet GmbH company reported on its weather information and alert systems for railroads including e.g. local models, forecast bulletins and weather statistics.
21. The Innovations part of the workshop was introduced and moderated by Mr. C. Maier (Advantage Austria).
22. Mr. H. J. Klingelhofer (STRABAG AG, Vienna) described the innovation activities of the company, serving 8 European countries.
23. Mr. A. Aliakar of the Rhomberg Bahntechnik provided the participants with the information of company's cost efficient track maintenance strategies, technologies and of balast cleaning, tamping and dynamic track stabilization machinery.
24. Ms. A. Kuo of PORR Bau company presented the Slab Track Austria OeBB-PORR system, guaranteeing high alignment quality of the railway line.
25. Mr. J. Kleberger of the iC consulenten, materializing about 25 design and consulting projects in Turkey, dealt in his presentation with the key aspects of long railroad tunnels, demonstrated on the example of the Semmering base tunnel in Austria.
26. Mr. J. Brandl of the Geoconsult company demonstrated challenges to tunnel design on the example of history of the Bolu tunnel on the motorway Istanbul – Ankara in Turkey.
27. Mr. G. Grundnig of the Frauscher Sensortechnik company introduced the state-of-the-art of its wheel detection and axle counting systems, having many field applications.
28. Mr. R. Reich of the Forster Metallbau informed the workshop about the main products of the company related to noise control as well as about its other products (e.g. gantries, variable message signs).
29. Mr. B. Petutschnig of the BPetutschnig International Consulting company contributed to the success of the workshop by his presentation on possibilities of accessibility of public transport systems.
30. The next workshop session on Combined transport in Turkey was moderated by Mr. P. Pospisil, the UNECE TEM and TER Consultant.
31. Ms. A. Gozutok Beyaz of the TOeBB (Union of Chambers and Commodity Exchanges of Turkey) delivered a presentation on private sector initiatives aimed at road and rail transport facilitation in Turkey. The TOBB is inter alia the member of Eurochambers, IRU and BSEC. The national network of chambers includes 365 local chambers and commodity exchanges and there are about 1500 companies having 60000 international trucks in the country.

32. Mr. I. Isik, Head of Department and H. Boz, Expert of the General Directorate of Land Transport, Ministry of Transport of the Republic of Turkey, presented a detailed information on the status of combined transport in Turkey. According to it, a transport investment share, amounting to 8.4 billion EUR in 2012, represents 34% of total public investment. A special project launched on strengthening intermodal transport, aimed at promotion of a balanced, environment-friendly and safe transportation, being in line with the EU legislation, would cost 1 million EUR and take 24 months to implement.
33. Ms. S. Aytac of BALO (Western Anatolian Logistics Organization) introduced the organization established by 90 chambers, exchanges and industry zones under the leadership of the TOBB. Its mission was to strengthen the competition capacities of local manufacturers on foreign markets, making use of economic, environmental and trustworthy alternative transportation models.
34. Trans-European Motorway Project (TEM) Road Safety Workshop, which followed, was chaired by Ms. M.-S. Fouvez, UNECE Transport Regional Adviser. Its participants were welcomed by Mr. M. Arman, Director of Planning Department of the Turkish General Directorate of Highways, who wished the workshop full success.
35. In the framework of the Safe infrastructures part of the workshop, Ms. M.-S. Fouvez informed the participants of the UN Decade of action for road safety and the related programme of actions, to which the TEM Project was invited to contribute with its experience in this field. Her presentation was accompanied by the UNECE film on the importance of road traffic safety.
36. Mr. Z. Cyndrowski, Head of International Co-operation Section of the Polish General Directorate for National Roads and Motorways presented safety actions taken at the EU level, reporting on the outcomes of the II-nd International Traffic Safety Conference held in Torun, Poland on 6-8 December 2011, which dealt with the Improved road safety as the result of synergy of actions under the theme: integrated road safety programs, based on Rule 4 E - Engineering, Enforcement, Emergency and Education.
37. The presentations on actions taken at national levels were opened by Mr. Z. Cyndrowski, who introduced the Polish Road Safety Strategy for 2014-2020, based on implementation of the principle that the elements of traffic safety had absolute top priority. He also mentioned the creation of a National Road Safety Observatory as well as the fact that a proper road infrastructure gives 60% chance of success in protecting lives and health of road users.
38. Ms. K. Cop Bajde, Director of the Directorate of Strategic Infrastructure Objects of the Croatian Ministry of Maritime Affairs, Transport and Infrastructure informed the workshop about the road network in Croatia, which is according to the 2011 Road Act classified to 4 categories with the total length of 29235 km and about passenger and traffic structure in her country. She stressed the importance of the Transport Development Strategy, which the Croatian State Parliament passed in November 1999 and which represents a basis for laws concerning the road safety. Special attention is

paid especially to the safety of motorway tunnels, some of which (Brinje tunnel, Sveti Rok tunnel) belong to the safest in Europe.

39. Mr. M. Arman, Director of Planning Department of the General Directorate of Turkish Highways, acquainted the participants with the road infrastructure investments in the country and with the effects of these investments on road safety. The length of motorway and dual carriageway roads in Turkey is 21227 km as a result of the decision taken in 2003 to upgrade single carriageway roads to dual carriageway ones in order to increase their capacity and reduce accident numbers. The 2023 target is to have 36500 km of dual carriageways, out of which 7750 km of motorways. Car ownership amounts at present to 109 cars per 1000 inhabitants and 1,19% of GDP is dedicated to road infrastructure investments. Regarding road safety, Turkey takes active part in the international safety actions and launched recently a number of special national programs and projects, such as the Road safety national program in the framework of the Vision 2023 and Black spots improvement (KITGI) project.

40. The next part of the workshop was devoted to Safe vehicles.

41. Mr. E. Gianotti of the UNECE Transport Division and the focal point on ITS, delivered a presentation on 1997 Agreement concerning the adoption of uniform conditions for periodical technical inspections of wheeled vehicles and the reciprocal recognition of such inspections, accompanied by videos on progress reached as a result of the respective UNECE regulations. He also described the structure, activities and expected future achievements of the WP.29 - World Forum for Harmonization of Vehicle Regulations, dealing with active, passive and general safety of road vehicles as well as with the environmental protection.

42. Mr. E. Colkusu of the Turkish Directorate General for Road Transport Regulations informed the workshop of the role of the Directorate General in the process of road vehicles' safety enforcement and in the responsibility of action in traffic. Inspection stations are established and managed under the supervision of the Ministry of Transport and deal with the vehicle technical inspections and roadside weight and dimensions control of commercial vehicles.

43. Within the last part of the workshop, devoted to the Actions of other organizations in Turkey, Mr. S. Sener of the Regional Office for Europe of the World Health Organization (WHO) introduced the Road Safety in 10 countries Project in Turkey and the achievements of its 1st phase (24 months, 2010 – 2011). The second phase of the project, taking 36 months, would be implemented in the period 2012 – 2014.

44. The workshop approved its conclusions, which are attached to this report as its Annex 2.

45. The workshop was followed by a technical excursion to a Weight & Dimension Control Station and a Vehicle Inspection Station located on the arterial road D 750, south of Ankara.

Annexes: 2