

**PROGRESS REPORT ON IMPLEMENTATION OF TER MASTER PLAN PRIORITY PROJECTS IN 2006**

The elaboration of a progress report on the implementation of TER Master Plan priority projects along the TER backbone network in 2006 is part of the follow-up activities of the TER Master Plan and represents an important tool for monitoring its implementation. The activity has been decided by the TER Steering Committee at its 22nd session and has been included in the work plan for the period 2006-2010.

Following the decision of the 22nd Session of TER Steering Committee, held in Baden, Austria, 20-21 of May 2006, doc.TER/SC/147 para.18 (b) on monitoring the implementation of projects on TER backbone network, the countries involved in TER Master Plan provided necessary data to the TER PCO. Country inputs were based on the uniform Questionnaire which was distributed earlier asking data on concrete elements on the progress of identified projects (categories I-III) and/or for new priority projects. For the latter, country replies were expected to be based on uniform TEMPLATES which have been used for identification, assessment and prioritization of projects at the initial stage of the elaboration of the Master Plan.

The following countries replied to the Questionnaire and provided the required data: Austria, Bosnia and Herzegovina, Croatia, Czech Republic, Poland, Romania, Russian Federation, Slovakia, Slovenia, Turkey and Ukraine

It was assumed that countries that did not reply had for the time being no additional information available or no changes to their original planning have occurred vis-à-vis the priority projects identified in the Master Plan.

The examination of the information and data provided by the countries shows that the implementation of a good number of projects is steadily going ahead and developments in the infrastructure and operation of trains is improving, thus contributing to increased railway traffic capacity and railway efficiency. Furthermore, an intense activity is carried out in all the countries. Technical and financial assessments of implementation of projects have been finalized for many of them and work on most of the projects is underway. In many cases the activity is in an advanced stage of implementation compared to the timetable established.

This is a proof that future assessment of the stage of implementation of projects is required and that progress achieved could be recorded only if this process would be monitored further on. This corresponds in fact with one of the major objectives of the TER Trust Fund Agreement for the cycle 2006-2010, implementation of the TER Regional Master Plan.

In concrete terms the situation in the countries is as follows:

## **AUSTRIA**

### Priority projects identified in the Master Plan

In the case of Austria 6 TER projects of a total value of 10,900 million EUR have been considered in the Master Plan. All Austrian projects belong to priority category I. The rail projects of Austria were not submitted in the proper format but in a general description of the Austrian Transport Master Plan 2001 ("Generalverkehrsplan 2001"). According to the information provided each project as a whole would be implemented by 2013 and in one case 2016-2018. Funding is secured for all the projects.

### Progress report

According to recent information provided partial implementation of various works would be done even in advance as per the timetable established. Furthermore, it was reported that works already started in 2004-2005 on the following projects:

#### - On Arlberg Axis

St.Anton am Arlberg-Langen am Arlberg, Arlberg tunnel will be completed by 2009.

#### - On Tauern Axis

a) Double track of the Tauernbahn Northern ramp, completion foreseen by 2009.

b) Double track of Tauernbahn Southern ramp, completion will be ready by 2010.

#### - On Pyhrn/Schober Axis

Development (upgrading) of Pyhrnbahn railway line

a) railway bypassing Schlierbach, completion by September 2007.

b) line improvement Nussbach, completion by 2009.

#### -On Donau Axis

Upgrading, reconstruction of the track, bridges on the line Salzburg-Linz-St.Polten-Vienna with completion by 2013.

#### -On Pontebana Axis

This major and complex project will connect Graz with Klagenfurt. Funds are available and completion is forecasted by 2016-2018.

#### -On Brenner Axis

Developments (upgrading of line) is foreseen to be done in stages in the next 4 years. The projects were well defined and are under implementation.

## **BELARUS**

### Priority projects identified in the TER Master Plan

In the case of Belarus one TER project of a total value of 0,57million EUR has been considered in the Master Plan. This project belongs to priority category I. Rail projects of Belarus were not submitted to support elaboration of prioritization Methodology, but sufficient information existed in a document of the UNECE of October 2004, entitled "Euro-Asian Linkages Information for Investment Activities". Funding is secured for this project.

### Progress report

Belarus is among the countries that did not reply to the Questionnaire. It is assumed that no additional information was available or no changes to its original planning has occurred vis-à-vis the priority projects identified in the Master Plan.

## **BOSNIA and HERZEGOVINA**

Priority projects identified in the TER Master Plan

Bosnia and Herzegovina proposed 7 projects for consideration in the Master Plan of a total value of 354,1 million EUR. All belong to priority category II. Funding is not secured for all the projects.

Progress report

According to recent information provided the situation is as follows:

- From the project Sarajevo-Capljina(BIH-R-2) foreseen to be started in 2011, track overhaul and reconstruction of 145 Km. for an amount of 76,5 mil.EUR. However, have been upgraded 31 Km. amounting to 18 mil.EUR. The rest is foreseen to be implemented by 2010 compared to 2013 as originally planned.
- From the project Bosanski Samac-Capljina(BIH-R-3), modernization of signaling system amounting to 64 mil.EUR have been done modernization works amounting to 11,2 mil.EUR. The rest will be finished by 2010 compared to 2014 as forecasted.
- From the project Doboj-Dobrljin(BIH-R-5), track overhaul and reconstruction of 78 Km. up to the TER technical standards amounting to 56,5 mil.EUR, have been done works on 22 Km. for the amount of 10 mil.EUR. The rest of works up to 46,5 mil.EUR will be done by 2010 compared to 2013 as forecasted. But the whole project was foreseen to start in 2011.
- From the project Dobrljin-B.Luka-Doboj-Tuzla-Zvornik(BIH-R-7), works for modernization of telecommunication system amounting to 11 mil.EUR have been done works amounting to 0,6 mil. EUR. The project will be finalized by 2014.

Lack of more funds for this project as well as for other 3 projects (BIH-R-1, BIH-R-4 and BIH-R-6) were among the causes of non-completion or non-starting works on the projects.

## **BULGARIA**

Priority projects identified in the TER Master Plan

Bulgaria proposed 8 projects for consideration in the Master Plan for a total value of 4,969 million EUR.

Out of 8 projects 2 belong to priority category I (BG-R-2-8) and 6 to priority category II (BG-R-1-3-4-5-6-7)

In case of 4 projects (BG-R-1-2-3-8) works started already in 2004-2005. In the rest of projects the work will start between 2011 and 2017.

Funding is not secured for all projects.

Progress report

Bulgaria is among the countries that did not reply to the Questionnaire. It is assumed that no additional information was available or no changes have occurred vis-à-vis the projects identified in the Master Plan.

## **CROATIA**

Priority projects identified in the TER Master Plan

16 projects were identified in the Master Plan and for all of them no clear technical description was given. They were not evaluated technically but examined in the “financial prioritization phase” based on information taken from REBIS study.

All projects (without priority category) amounted to 595,60 million EUR.

Progress report

According to recent information provided the situation is as follows:

Clear technical description was provided for all 16 projects. Out of them 9 projects belong to priority category I (CR-R-1-3-4-5-8-9-11-14-15) and 7 projects belong to priority category II (CR-R-2-6-7-10-12-13-16)

According to the reevaluation of the 16 projects done by Croatia the new total amount required for their implementation is 786,22 million EUR. Funds are not available for all the projects. For 3 projects (CR-R-6-7-12) the amount of funds needed is not available.

For all 16 projects Croatia provided technical description as TEMPLATES which will be used during the review of the Master Plan in 2008.

On 7 projects the works started already:

- Reconstruction of railway section of corridor Vc(CR-R-1) in 2004;
- Electrification on North section of Beli Manastir-Strizivojne-Vrpolje(CR-R-2) in 2005;
- Modification of electrical traction system on rail line Moravice-Rijeka-Sepjane (CR-R-5) in 2006;
- Track reconstruction on Kosovo (Knin)-Split section(CR-R-8) in 2004;
- Reconstruction of stations on rail line Ostarije-Knin-Split(CR-R-9) in 2006;
- Rail track overhaul Savski Marof-Zagreb and Ivankovo-Tovarnik(CR-R-14)in 2006;
- Introduction of optical telecommunication system on the whole network of Croatia (CR-R-15) in 2004.

In case of 4 projects (CR-R-3-4-7-13) the starting year of implementation is unknown.

On other 5 projects (CR-R-6-10-11-12-16) the works will start between 2007-2011.

## **CZECH REPUBLIC**

Priority projects identified in the TER Master Plan

Czech Republic proposed 8 projects for consideration in the Master Plan for a total value of 3,042.90million EUR. 4 projects belong to priority category I (CZ-R-2-3-4-6) and other 4 projects to priority category II (CZ-R-1-5-7-8).

In case of 3 projects (CZ-R-1-3-5) the works started in 2004 or 2005 , 1 project(CZ-R-4) will start in 2007 and the rest of projects will start in 2011 or 2013.

#### Progress report

Recent information on the projects included in the TER Master Plan received as reply to the Questionnaire shows that from 8 projects, 3 projects Benesov-C.Budejovice(CZ-R-1), State border Cheb-Plzen(CZ-R-3) and Praha-Benesov (CZ-R-8) are under construction in time, 2 projects Ceske Budejovice(CZ-R-2) and Kadan-Karlovy Vary(CZ-R-5) were completed. Some of them even before the time schedule. In case of other 3 projects(CZ-R-4-6-7) works have not started.

Regarding European priority projects in Czech Republic amounting to 3 billion EUR of which 100 million EUR from EU funds, reconstruction was completed on lines Decin-Praha-Brno-Breclav and Breclav-Prerov-Chalupki.

For the above projects plus other European projects as Praha-Plzen-Cheb, C.Trebova-Prerov, Ostrava-Cadca and Praha-H.Dvoriste implementation is foreseen until 2016. The total investment cost amounts to 4,1 billion EUR without reconstruction of Brno-Prerov amounting alone to 1,5 billion EUR from EU funds.

### **FORMER YUGOSLAV REPUBLIC OF MACEDONIA**

#### Priority projects identified in the TER Master Plan

In case of The Former Yugoslav Republic of Macedonia 5 projects of a total value of 511,6 million EUR have been considered in the Master Plan. From the 5 projects, for 3 projects there was no data on funding possibilities (Ma-R-3-4-5)

In general the data provided was insufficient to support the elaboration of the Multi-Criteria Analysis, so priority categories of the projects are missing.

#### Progress report

The Former Yugoslav Republic of Macedonia is one of the countries that did not reply to the Questionnaire. It is assumed that no additional information was available or because of the funding issues vis-à-vis the projects identified in the Master Plan.

### **GEORGIA**

#### Priority projects identified in the Master Plan

2 projects of a total value of 1,826.3 million EUR have been considered in the Master Plan. Works on Project (GE-R-2) for the construction of a new railway link Georgia-Turkey started in 2004 and will be completed in 2034. This project belong to priority category I. Works on Project (GE-R-1) for the reconstruction of line section Zestapani-Khashuri will start in 2035 and belong to priority category II.

According to latest communication from the Ministry of Economic Development of Georgia<sup>1</sup>, the correct data on the above 2 projects are as follows:

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<sup>1</sup> The Ministry of Economic Development of Georgia, by its letter No. 26/747/9-6 of April 2006, proposed some corrections to the data concerning the two railway projects of Gergia. As this request could not be met due to its late submission, this letter and the related data were annexed to the Master Plan report (Annex IX).

The total value of the 2 projects considered in the Master Plan is 792.0 million EUR. Works on Project (GE-R-2) for the construction of a new railway link Georgia-Turkey would start in 2007 and would be completed in 2010. This project belong to priority category I. Works on Project (GE-R-1) for the reconstruction of line section Zestapani-Khashuri would start in 2010 and would be completed in 2015. This project belong to priority category II.

#### Progress report

Georgia did not reply to the Questionnaire. It is assumed that no additional information was available vis-à-vis the projects identified or probably because of funding issues.

### **GREECE**

Greece proposed 11 projects for consideration in the Master Plan of total value of 5,626.4 million EUR.

4 projects (GR-R-4-5-6-7) belong to priority category I and the rest of 7 projects to priority category II.

In case of 5 projects (GR-R-1-4-5-6-7) construction works started in 2004 with completion foreseen between 2007-2011. Works on the other 6 projects will start in 2011. In case of 4 projects (GR-R-8-10-11-12) funding is not secured which represents about 50% of the financial means required.

#### Progress report

Greece is among the countries that did not reply to the Questionnaire. It was assumed that no additional information was available or no changes to its original planning has occurred vis-à-vis the priority projects identified in the Master Plan.

### **HUNGARY**

Priority projects identified in the TER Master Plan

Hungary proposed 23 projects for consideration in the Master Plan of a total value of 4,406.8 million EUR. All projects belong to priority category II.

In case of 5 projects (HU-R-2-3-6-8-23) which include sub-projects the execution is foreseen in stages.

Work started already in case of 7 projects and on sub-projects belonging to the above mentioned 5 projects.

Information on funding issues on all projects is not clear.

#### Progress report

Hungary is one of the countries which did not reply to the Questionnaire. It is assumed that no additional information was available or no changes to its original planning has occurred vis-à-vis the priority projects identified in the Master Plan.

### **LITHUANIA**

Priority projects identified in the TER Master Plan

Lithuania proposed 22 projects to be considered in TER Master Plan. All projects have a total value of 1,803.1 million EUR. From 22 projects, 17 projects belong to priority category I and 5 projects (LT-R-8-11-18-19-20) belong to priority category II. Works started on 14 projects of which in case of one project (LT-R-21) from 1999 and in case of the others in the last 2-3 years. In case of 7 projects (LT-R-7-8-10-11-18-19-20) work will start in 2009 or 2011.

#### Progress report

Lithuania did not reply to the Questionnaire. It is assumed that no additional information was available or no changes to its original planning vis-à-vis the priority projects identified in the Master Plan.

### **MOLDOVA**

#### Priority projects identified in the TER Master Plan

Moldova provided 2 projects of a total value of 482.3 million EUR to be considered in the Master Plan.

1 project (MD-R-1) belongs to priority category I and 1 project (MD-R-2) belongs to priority category II.

Works on both projects started in 2004. In case of project MD-R-1, works will continue until 2026 and in the second case it should have been completed by now.

Funding is not secured for both projects.

#### Progress report

Moldova did not reply to the Questionnaire. It was assumed that no additional information was available or funding problems were not solved.

### **POLAND**

#### Priority projects identified in the TER Master Plan

In case of Poland 6 projects of a total value of 594.5 million EUR were proposed to be considered in the TER Master Plan.

The projects were not provided with technical details and as a result have not been evaluated from this point of view. They were examined directly in the financial feasibility prioritization phase based on information from ISPA info sheets.

Work started on the projects since 2001 and could be completed by now.

#### Progress report

Poland is among the countries that did not reply to the Questionnaire. It was assumed that no additional information is available.

However, it provided during a TER meeting some information only on the section of Backbone network Warsaw-Lublin-Dorohusk towards Ukraine (267 km.) This section is identical with multimodal transport axis in Poland. Modernization of the above section is possible only after 2013 because all investments in Polish railways with European funds were planned until 2013.

## **ROMANIA**

Priority projects identified in the TER Master Plan

Romania provided 4 projects of a value of 3,072.10 million EUR which have been considered in the TER Master Plan. 1 project (RO-R-3) belong to priority category I and 3 projects to category II.

On project 1 (RO-R-3), works started in 2004 and on the other 3 projects (RO-R-1-2-4) will start in 2009.

Progress report

According to recent information, modernization of a long distance line, project (RO-R-3) in the Backbone network, is under tendering or in development and implementation. Romania after re-examining the availability of funds needed, the time horizon for the implementation of projects has changed: RO-R-1 in 2007-2010, RO-R-2 in 2010-2015, RO-R-3 in 2005-2009 and RO-R-4 remained unchanged i.e. 2010-2013.

Also, the funds required for the implementation of projects changed because have been under-evaluated. The new total value of the projects is 5,116 million EUR.

## **RUSSIAN FEDERATION**

Priority projects identified in the TER Master Plan

In case of the Russian Federation, 19 projects were proposed to be considered in the Master Plan. The projects had no technical details and they have not been technically evaluated. However, they were examined in the financial feasibility prioritization phase, based on information taken from National report of Euro- Asian Transport Links.

Progress report

Based on the latest information received, the description of the Russian sections belonging to the TER backbone network was put in accordance with the Backbone schematic map and now is clear.

Russian Federation updated information on projects, envisaged by the development of infrastructure of the railroads in Russia. They would be included in the future assessment of the TER backbone network.

The projects have been technically restructured and financially updated. The projects which will be included in the TER Backbone network are:

RU-R-1- Ural-North-West of a value of 3,140.6 million EUR;  
RU-R-2- Ural- South of a value of 2,183.1 million EUR;  
RU-R-3-North-South of a value of 4,623.8 million EUR;  
RU-R-4- Center Volga Region-Ural of a value of 556.4 million EUR;  
RU-R-5-Moscow-Smolensk-Krasnoye;  
RU-R-6-Moscow-Bryansk-Suzemka of a value of 28.4 million EUR;  
RU-R-7-Moscow-St.Petersburg;  
RU-R-8-St.Petersburg-Pskov-Dno-Zavereahje.

These projects are split in sub-projects from 9 up to 17.

The implementation of all projects and sub-projects will be done partially between 2005-2015.



## **SERBIA**

Priority projects identified in the TER Master Plan

In case of this country, 13 projects of a total value of 465 million EUR have been considered in the TER Master Plan.

Projects were not given in details so they were not technically evaluated. They were examined in the financial feasibility prioritization phase based on information taken from REBIS. Except project SM-R-4 for which funding is secured, for all the other projects funding is not secured.

All projects were foreseen to be implemented between 2004-2009.

Progress report

Serbia did not reply to the Questionnaire. It is assumed that no additional information was available or no changes to its original planning has occurred vis-a-vis the priority projects identified in the Master Plan.

## **SLOVAKIA**

Priority projects identified in the TER Master Plan

Slovakia proposed 5 projects of a total value of 1,820.4 million EUR for consideration in the TER Master Plan. All of them belong to priority category II.

On 2 projects (SK-R-2-4), works had to start in 2004 and on the rest of projects in 2007.

Progress report

According to recent information provided project Kutý-Bratislava (SK-R-1) covers corridor IV in Slovakia which is in good condition and only smaller sub-projects of reconstruction and modernization works are needed. A good part of the works was done since 2003 and 2004. The whole project will be implemented by 2009.

All the other projects (SK-R-2-3-4-5), also split in sub-projects, are under partial implementation. All works are according to the timetable or even in advance.

## **SLOVENIA**

Priority projects identified in the TER Master Plan

This country proposed 7 projects of a total value of 1,314.3 million EUR for consideration in the Master Plan.

From all 7 projects only 1 project (SL-R-7) belongs to priority category II. All the rest are priority category I. On 5 projects (SL-R-1-2-5-6-7) the modernization works started in 2004 or 2005 and completion is expected latest by 2012.

On 2 projects (S-R-3-4) works will start in 2010 and respectively 2008 and completion is foreseen latest by 2014.

The implementation of projects is done according to the timetable.

Progress report

Slovenia provided additional information on the implementation of projects based on maps.

## **TURKEY**

Priority projects identified in the TER Master Plan

Turkey proposed 4 projects of a total value of 3,534.8 million EUR to be considered in the TER Master Plan.

2 projects (TU-R-1-4) belong to priority category I and the other 2 projects (TU-R-2-3) belong to priority category II.

Modernization works on the projects belonging to category I started already and completion is foreseen latest by 2010.

The projects priority category II will start in 2011 and be completed latest by 2017.

Except project (TU-R-4) for all the other projects funding is secured.

Progress report

Based on recent information the situation per projects is as follows:

- Project Ankara-Istanbul-Haydarpasha (TU-R-1) was split in smaller projects on which work started and which would be finalized in stages according to a timetable which could be speeded up if financial resources would be available in time.

- Project Ankara-Yozgat-Yildizeli(TU-R-2) could be also implemented in stages and smaller projects. Implementation started already in 2004.

- Marmary project(TU-R-3) covering the upgrading of 76 Km and building a tunnel under the Istanbul strait is one of the major transportation infrastructure projects in the world.

The project is underway and the immersing of the tube tunnel elements shall be completed by 2007.

- Implementation of the project Kars-Alhalkalaki-Tbilisi-Baku(TU-R-4) on the Turkish section was started in 2005. Active cooperation of all countries involved in this transboundary project is needed for its sooner implementation.

Information on additional projects was also provided: Ankara-Istanbul, high speed train, Ankara-Sivas and Sivas-Erzurum-Kars linking Ankara with Georgia and Azerbaijan.

Turkish experts provided new information on the project Ankara-Izmir (new high speed railway line) amounting to 2 billion \$. Start of work is envisaged for 2009 and completion in 2014. The railway line Ankara-Izmir was included in the TER network following the normal procedures and among the new priority projects in framework of the review and updating of the Master Plan in 2008. This High Speed railway project Ankara-Izmir should be included in the Master Plan. At the same time the Ankara-Konya line will be included in the TER network and also Ankara-Konya High Speed railway line project will be included later in the TER Master Plan in 2008.

## **UKRAINE**

Priority projects identified in the TER Master Plan

Ukraine proposed 2 projects of a total value of 239.8 million EUR to be considered in the TER Master Plan.

The projects were not given in details, so they have not been technically evaluated.

How ever, they were examined in the financial feasibility prioritization phase based on information taken from country's National report for EATL.

Works started on both projects in 2004. 1 project (UKR-R-1) should have been implemented by now, while the other one (UKR-R-2) will be implemented in 2008.

#### Progress report

Ukraine is among the countries that did not reply to the Questionnaire. How ever, she provided useful information on the modernization of railway infrastructure as well as forecast on the economic activities in the railway field until 2020.

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