

**7th National Coordinators Meeting
Data Collection Workshop**






Location: Skopje, Republic of Macedonia

April 22 - 23, 2008

**Definition of Rail and Road Infrastructure and Traffic Indicators
(draft)**





1 DEFINITION OF ROAD DATA COLLECTED

Modify road

| | | | |
|------------|---|------------------|--|
| Country | <input type="text" value="Albania"/> | Code | <input type="text" value="R2b.11"/> |
| Start node | <input type="text" value="Hani i Hotit AL (border)"/>   | End node | <input type="text" value="Shkoder"/>   |
| Valid from | <input type="text" value="2006"/> - <input type="text" value="01"/> - <input type="text" value="01"/> | Valid to | <input type="text" value="2006"/> - <input type="text" value="12"/> - <input type="text" value="31"/> |
| Status | <input type="text" value="Operable"/>  | International nr | <input type="text" value="E762"/> |
| Remarks | <input type="text" value="4 R2b.11"/> | | |

| | Field | Description | |
|---|----------------------|--|--|
| 1 | Country | Automatic | |
| 2 | Code | SEETO Code | |
| 3 | Start node | Start node of the Core Network | |
| 4 | End node | End node of the Core Network | |
| 5 | Valid From | Validity time for the section, usually not changing | |
| 6 | Valid To | Validity time for the section, usually not changing | |
| 7 | Status | Planned, Operational, Not operational | |
| 8 | International Number | E-Roads http://www.elbruz.org/eroads/AGR_2.htm , National Code can be entered too | |
| 9 | Remarks | | |

Modify road technical parameters

| | | | |
|-----------------------|---|------------------------|---|
| Start km | <input type="text"/> | End km | <input type="text"/> |
| Condition | <input type="text" value="Very poor"/>  | Category | <input type="text" value="[2 National] 2 Lane National road"/> |
| Valid from | <input type="text" value="2006"/> - <input type="text" value="01"/> - <input type="text" value="01"/> | Valid to | <input type="text" value="2006"/> - <input type="text" value="12"/> - <input type="text" value="31"/> |
| Max speed [km/h] | <input type="text" value="80"/> | Operating speed [km/h] | <input type="text" value="40"/> |
| Designed speed [km/h] | <input type="text"/> | Max gradient [m/km] | <input type="text" value="80"/> |
| Max axle load [kN] | <input type="text" value="100"/> | Capacity | <input type="text" value="1"/> |
| Length [km] | <input type="text" value="35"/> | Nr of lanes | <input type="text" value="2"/> |
| Tolled | <input type="text" value="No"/>  | Nr of toll gates | <input type="text"/> |
| Pavement | <input type="text" value="[NN] Unknown"/>   | | |
| Remarks | <input type="text" value="4 R2b.11 4 R2b.11"/> | | |

| | Field | Description | |
|---|-----------|---|--|
| 1 | Start km | According to the National reference system (SEETO prefers N->S, and W-E oriented sequences) | |
| 2 | End km | Same as the previous | |
| 3 | Condition | 1. Very Good, describes the road without problems and completely comply with Standards - mainly new constructions, (IRI [0-1.24]) 2. Good, means that is a road without problems, (IRI [1.24 - 2.84]) 3a. Medium NWC, means that the road needs a New | |

| | Field | Description | |
|----|------------------------|--|--|
| | | Wearing Course (NWC) (IRI [2.84- 5.09]), 3b. Medium PRH, describes a road which needs Pavement Rehabilitation (PRH) (IRI [2.84 – 5.09]), 4. Poor, means that the road needs a new Overlay and Wearing Course (OWC) (IRI [5.09 – 8.94]) and 5. Very Poor, describes a road which needs a Completely New Pavement (CNP) (IRI [8.94 -]) In REMARKS please describe the methodology used. | |
| 4 | Category | [2 National] 2 Lane National road [3 Express] 3 lane expressway [4 Express] 4 lane expressway [4 Motorway] 4 Lane Motorway or Expressway [NN] Unknown</option> | |
| 5 | Valid from | The period when the technical parameters are true | |
| 6 | Valid to | The period when the technical parameters are true | |
| 7 | Max speed [km/h] | Maximum allowed speed | |
| 8 | Operating speed [km/h] | Operating speed | |
| 9 | Designed speed [km/h] | Design Speed | |
| 10 | Max gradient [m/km] | | |
| 11 | Max axle load [kN] | 115kN = 11.5 T | |
| 12 | Capacity | Maximum AADT in both directions 16h count | |
| 13 | Length [km] | Distance between the start and end kilometer | |
| 14 | Nr of lanes | Number of lanes in both directions without hard solders | |
| 15 | Tolled | Yes/No | |
| 16 | Nr of toll gates | Number for this section | |
| 17 | Pavement | asphalt, concrete, gravel | |
| 19 | Remarks | - Describe the methodology for condition assessment. | |

Modify road traffic

| | | | |
|----------------|--|--------------|---|
| Valid from | <input type="text" value="2006 - 01 - 01"/> | Valid to | <input type="text" value="2006 - 12 - 31"/> |
| PCU | <input type="text" value="1500"/> | AADT | <input type="text" value="1500"/> |
| Passenger cars | <input type="text" value="1170"/> | Passengers | <input type="text" value="3200"/> |
| Busses | <input type="text" value="26"/> | Tons | <input type="text" value="728"/> |
| Unitized | <input type="text"/> | Trucks | <input type="text" value="104"/> |
| National [%] | <input type="text" value="85"/> | Non unitized | <input type="text"/> |
| Remarks | <input type="text" value="4 R2b.11 4 R2b.11"/> | | |

| | Field | Description | |
|--|------------|--------------------------------------|--|
| | Valid from | Usually xxxx.01.01 for the year xxxx | |
| | Valid to | Usually xxxx.12.31 for the year xxxx | |
| | PCU | If calculated | |

| Field | Description | |
|----------------|---|--|
| AA DT | Number of vehicles, Annual Average Daily Traffic [based on 16h count] | |
| Passenger cars | Number of vehicles | |
| Busses | Number of vehicles | |
| Trucks | Number of vehicles | |
| Passengers | Number | |
| Tons | T | |
| Unitized | % | |
| National | % | |
| Remarks | <p>Describe the methodology and technical solution used for traffic counting here=[]</p> <p>Please enter here road safety information for the section:</p> <ul style="list-style-type: none"> • Number of Accidents on this section in this period = [] • Number of accidents with fatality or hospitalized = [] • Number of Injured Persons = [] • Number of Fatalities (Persons) = [] | |

2 DEFINITION OF RAIL DATA COLLECTED

Modify railway

| | | | |
|------------|---|------------------|---|
| Country | <input type="text" value="Albania"/> | Code | <input type="text" value="VIII.08.1"/> |
| Start node | <input type="text" value="Pogradec"/> | End node | <input type="text" value="Korçë AL/GR (border)"/> |
| Valid from | <input type="text" value="2006"/> - <input type="text" value="01"/> - <input type="text" value="01"/> | Valid to | <input type="text" value="2006"/> - <input type="text" value="12"/> - <input type="text" value="31"/> |
| Status | <input type="text" value="Planned"/> | International nr | <input type="text" value="VIII.08.1"/> |
| Remarks | <input type="text"/> | | |

| | Field | Description |
|---|----------------------|---|
| 1 | Country | Automatic |
| 2 | Code | SEETO Code |
| 3 | Start node | Start node of the Core Network |
| 4 | End node | End node of the Core Network |
| 5 | Valid From | Validity time for the section, usually not changing |
| 6 | Valid To | Validity time for the section, usually not changing |
| 7 | Status | Planned, Operational, Not operational |
| 8 | International Number | International and National Code can be entered too |
| 9 | Remarks | |

Modify railway technical parameters

| | | | |
|--------------------------|---|--------------------------|---|
| Start km | <input type="text" value="20.1"/> | End km | <input type="text" value="0"/> |
| Condition | <input type="text" value="Medium"/> | Category | <input type="text" value="[SgINel] Single track, Non-electrifi"/> |
| Length [km] | <input type="text" value="20.1"/> | Max gradient [m/km] | <input type="text" value="5"/> |
| Valid from | <input type="text" value="2006"/> - <input type="text" value="01"/> - <input type="text" value="01"/> | Valid to | <input type="text" value="2006"/> - <input type="text" value="12"/> - <input type="text" value="31"/> |
| Max speed [km/h] | <input type="text" value="80"/> | Max designed speed[km/h] | <input type="text" value="32"/> |
| Max axle load [kN] | <input type="text" value="200"/> | Capacity [per day] | <input type="text" value="3"/> |
| Load gauge | <input type="text"/> | Track gauge [mm] | <input type="text" value="1435"/> |
| Electrification standard | <input type="text" value="not electrified"/> | Signalling standard | <input type="text"/> |
| Traffic management | <input type="text" value="Decentralizuar"/> | Min radius [m] | <input type="text" value="400"/> |
| Nr of tracks | <input type="text" value="1"/> | Electrified | <input type="text" value="No"/> |
| Remarks | <input type="text" value="VIII.02"/> | | |

| | Field | Description |
|---|-----------|--|
| 1 | Start km | According to the National reference system (SEETO prefers N->S, and W-E oriented sequences) |
| 2 | End km | Same as the previous |
| 3 | Condition | Track Condition: 1. Very Good 2. Good 3. Medium 4. Poor 5. Very Poor In REMARKS please grade: traction, signaling, telecoms by the same scale. |
| 4 | Category | [DbIEI] Double track, Electrified |

| Field | Description |
|---------------------------|---|
| | [DbIEIHS] Double Track, Electrified, High speed [DBINel] Double Track, Non_electrified [NN] Unknown [SglEI] Single track, Electrified [SglNel] Single track, Non-electrified |
| Length [km] | Distance between the start and end kilometer |
| 5 Valid from | The period when the technical parameters are true |
| 6 Valid to | The period when the technical parameters are true |
| 7 Max speed [km/h] | Maximum allowed speed |
| Max Designed speed [km/h] | Max Design Speed |
| Max axle load [kN] | 115kN = 11.5 T |
| Capacity | Maximum AADT in both directions 16h count |
| Load Gauge | |
| Track gauge | [mm] 1435 |
| Electrification Standard | 25kV/50Hz, 3kV/DC or not electrified |
| Signalling Standard | Text |
| Traffic Management | Text |
| Minimum Radius | Text |
| Nr of lanes | Number of lanes in both directions without hard solders |
| Remarks | Please grade: traction, signaling, telecoms by the same 5 point scale. (1. Very Good 2. Good 3. Medium 4. Poor 5. Very Poor) Traction=[] Signaling=[] Telecoms=[] |

Modify railway traffic

| | | | |
|---------------------------|---|-------------------------|---|
| Valid from | <input type="text" value="2006 - 01 - 01"/> | Valid to | <input type="text" value="2006 - 12 - 31"/> |
| Passenger trains [trains] | <input type="text" value="10"/> | Freight trains [trains] | <input type="text" value="4"/> |
| Passengers | <input type="text" value="480000"/> | Tons | <input type="text" value="184000"/> |
| Capacity used [%] | <input type="text" value="55"/> | Seats | <input type="text"/> |
| TEU | <input type="text"/> | National [%] | <input type="text"/> |
| Unitized | <input type="text"/> | Non unitized | <input type="text"/> |
| Remarks | <input type="text" value="4 VIII.04"/> | | |

| Field | Description |
|------------------|--------------------------------------|
| Valid from | Usually xxxx.01.01 for the year xxxx |
| Valid to | Usually xxxx.12.31 for the year xxxx |
| Passenger Trains | per 24 hour day in both directions |
| Freight Trains | per 24 hour day in both directions |
| Passengers | Number Per year |
| Tons | Per year |
| Capacity used | % |

| Field | Description | |
|----------|---|--|
| Seats | n/a | |
| TEU | Number of containers per year | |
| National | % of National Traffic | |
| Unitized | % | |
| Remarks | Describe the methodology and technical solution used for traffic counting here=[] | |
