Eurostat’s Statistics on Traffic Flows on the Rail Network 2005

Annex G of Regulation 91/2003
Introduction: Annex G

- Eurostat’s rail transport statistics are based mostly on Regulation (EC) No 91/2003 – transport of goods and passengers + accident statistics covered;
- Annex G of the Regulation deals with statistics on traffic flows on the railway network;
- Annex G data are collected every five years and were collected for the first time reference year 2005;
- Annex G data should cover at least the TEN transport segments and should be supplemented by the list of network segments + geographical coordinates.
## Introduction: Annex G

### ANNEX G

### STATISTICS ON TRAFFIC FLOWS ON THE RAIL NETWORK

<table>
<thead>
<tr>
<th>List of variables and units of measurement</th>
<th>Goods transport:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- number of trains</td>
</tr>
<tr>
<td>Passenger transport:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- number of trains</td>
</tr>
<tr>
<td>Other (service trains, etc.) (optional):</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- number of trains</td>
</tr>
</tbody>
</table>

| Reference period                           | One year          |
| Frequency                                  | Every five years  |

<table>
<thead>
<tr>
<th>List of tables with the breakdown for each table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table G1: goods transport, by network segment</td>
</tr>
<tr>
<td>Table G2: passenger transport, by network segment</td>
</tr>
<tr>
<td>Table G3: other (service trains, etc.), by network segment (optional)</td>
</tr>
</tbody>
</table>

| Deadline for transmission of data            | 18 months after end of reference period |
| First reference period                       | 2005                                  |

### Notes

1. Member States shall define a set of network segments to include at least the rail TEN on their national territory. They shall communicate to Eurostat:
   - the geographical coordinates and other data needed to identify and map each network segment as well as the links between segments,
   - information on the characteristics (including the capacity) of the trains using each network segment.

2. Each network segment which is part of the rail trans-European network (TEN) shall be identified by means of an additional attribute in the data record, in order to enable traffic on the rail TEN to be quantified.
Introduction: Annex G data flow

- Recommendations to Governments on the E-Rail Traffic Census in Europe in 2005 jointly undertaken by the UNECE and Eurostat defined the way data should be transmitted.

**Annex G data (G1, G2, G3)
- List of segments
- Geographical coordinates
- Technical description**
Introduction: Annex G data flow

- Recommendations to Governments on the E-Rail Traffic Census in Europe in 2005 jointly undertaken by the UNECE and Eurostat
Introduction: Annex G

- Deadline for data transmission: 18 months after the end of the reference period – end of June 2007;
- Rail WG 2006 – some countries gave prior warning of possible problems with supplying Annex G data to Eurostat;
- First data sets were provided to Eurostat May/June 2007 but were incomplete;
- Some countries started providing/preparing the data when reminded by Eurostat;
- Eurostat started transmitting available data to UNECE at the beginning of July 2007 and has continued doing so as soon as the new/revised data arrived.
Annex G data processing

Eurostat’s activities during 2007/2008:

– initial brief assessment of the data supplied by the countries;
– adaptation of the rail production database;
– preparation of the dissemination tables and procedures for data extraction;
– preparation of a network segments dictionary;
– regular transfer the data to UNECE (new arrivals, updates, supportive information);
– assistance to the countries which reported problems or delays with data provisions.
Annex G data processing

Additional circumstances during 2007/2008:

- Delays in Annex G data provisions – unexpected scale of delays and information missing;
- Revisions and clarification on the data structure and content needed in most of the cases;
- Codification of the network segments – additional procedure and re-codification of segments codes needed;
- Preparation of two new dissemination tables: specifications needed;
- Additional IT work which covered the preparation and development of the extraction procedures;
- New validation rules were required but could not be set up until the structure of the database tables had been finalised.
Annex G data processing and dissemination

Eurostat rescheduled the process of disseminating Annex G data from mid-2008 to the early 2009
Conclusions: countries’ perspective:

Reasons for problems and delays on Annex G data provisions:

- 2005 Annex G data collection took place for the first time

- Sources of the data – railway undertakings proved to be an inadequate/insufficient source of data on railway traffic

- Selection of railway network segments – lack of information, inadequate segments selection in order to meet the requirements of the survey
Conclusions: Eurostat’s perspective:

Reasons for problems and delays on Annex G data validation and dissemination:

- New experience also for Eurostat – first time data reception
- **Delays** in data provisions result in delays in data dissemination
- Additional validation rules needed
- **External IT tasks** needed for the dissemination tables
- **Revisions** and supportive information provided on a continuous basis till mid-2008
- Some data still missing
- Additional revisions still expected when the full validation process is launched – beginning of 2009
2010 Annex G data collection - outlook:

Assuming that:

- Annex G data will be collected already for the second time under the same structure and coverage
- Data requirements of UNECE remain unchanged
- Annex G data flow between Eurostat and UNECE remains unchanged
2010 Annex G data collection - outlook:

Perspectives:

- More countries will likely meet the deadline for 2010 Annex G data – end of June 2012
  - Experience of 2005 data collection
  - Railway network segments selection procedure much easier
  - Data sources better recognized
- Validation of Annex G data will be processed much more quickly
  - Set of validation rules already settled
  - Dictionary of network segments will need to be updated only
- Dissemination of Annex G data much easier
  - Table structure and extraction procedure remains almost unchanged;
  - Data disseminated no later than app. 1 year after being received
Thank you for your attention

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