

# 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

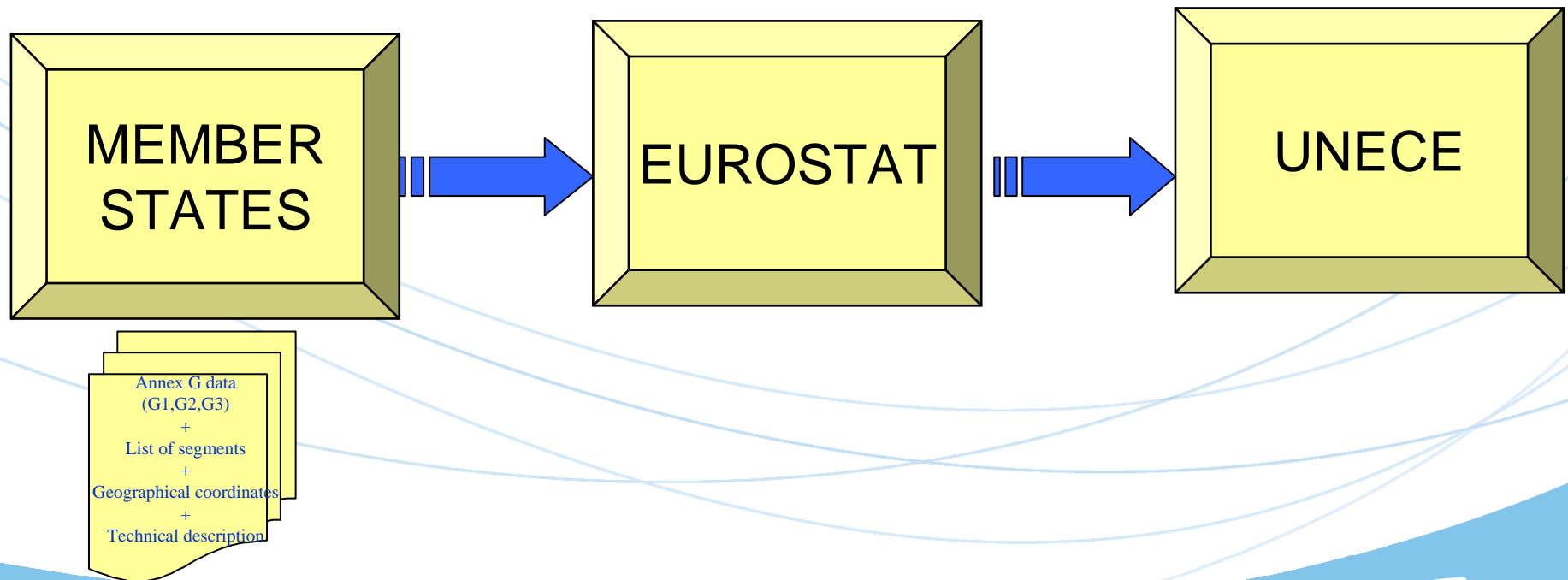
## ANNEX G

### STATISTICS ON TRAFFIC FLOWS ON THE RAIL NETWORK

List of variables and units of measurement	<p>Goods transport:</p> <ul style="list-style-type: none"> <li>— number of trains</li> </ul> <p>Passenger transport:</p> <ul style="list-style-type: none"> <li>— number of trains</li> </ul> <p>Other (service trains, etc.) (optional):</p> <ul style="list-style-type: none"> <li>— number of trains</li> </ul>
Reference period	One year
Frequency	Every five years
List of tables with the breakdown for each table	<p>Table G1: goods transport, by network segment</p> <p>Table G2: passenger transport, by network segment</p> <p>Table G3: other (service trains, etc.), by network segment (optional)</p>
Deadline for transmission of data	18 months after end of reference period
First reference period	2005
Notes	<ol style="list-style-type: none"> <li>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: <ul style="list-style-type: none"> <li>— the geographical coordinates and other data needed to identify and map each network segment as well as the links between segments,</li> <li>— information on the characteristics (including the capacity) of the trains using each network segment.</li> </ul> </li> <li>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.</li> </ol>

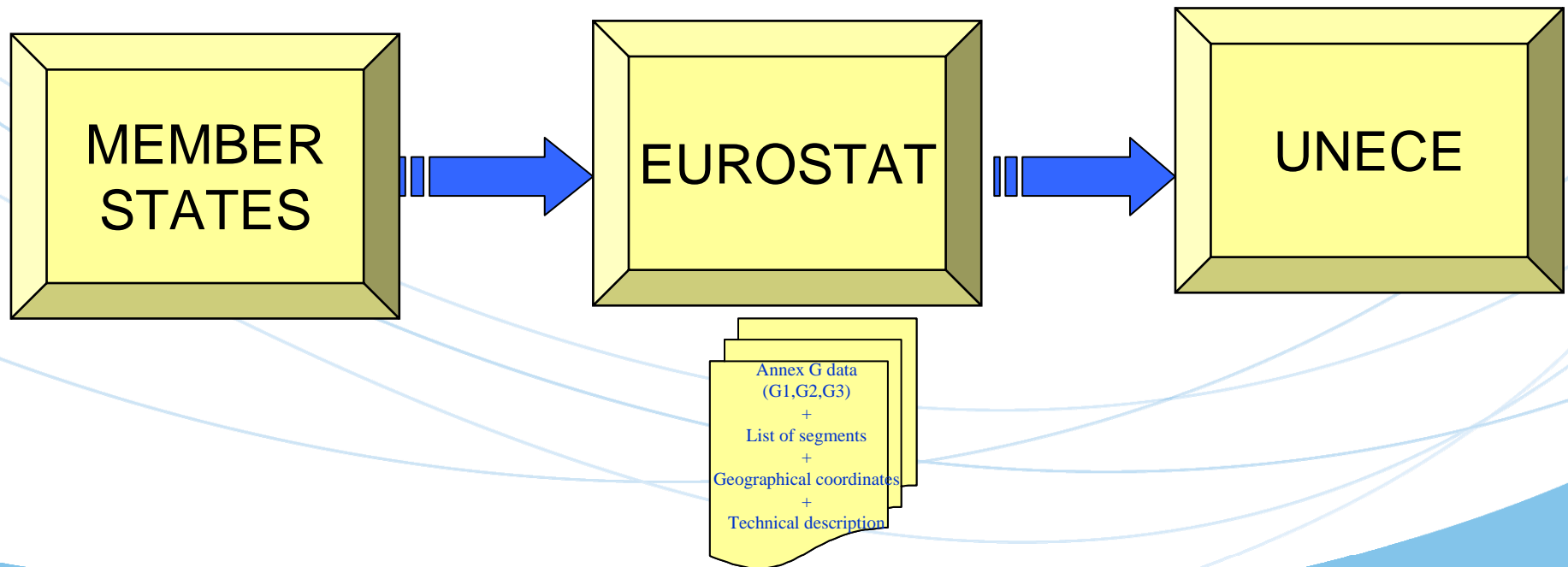
# Introduction: Annex G data flow

- *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*



# Introduction: Annex G data flow

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# 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**

**Additional information or questions:  
[anna.bialas-motyl@ec.europa.eu](mailto:anna.bialas-motyl@ec.europa.eu)**