Working Party on Intermodal Transport and Logistics

Groupe de travail du transport intermodal et de la logistique

Рабочая группа по интермодальным перевозкам и логистике

Geneva, 6-7 November 2012

Tuesday, 6 Nov.: 15-18 hours
Wednesday, 7 Nov: 10-13 hours and 15-18 hours

Serviced by:
Sustainable Transport Section
Adoption of the agenda  
(ECE/TRANS/WP.24/130) (E,F,R)

Agenda item  6 November 2012  (15.00-18.00 hours)

1 Adoption of the agenda
2 (d) Sustainable developments + intermodal transport  (TK Blue)
2 (a) Trends and performance in intermodal transport  (UIRR)
5 2012 Theme:  Intelligent Transport Systems (ITS) and intermodal transport
Reception (Bureau S 410) at 18.10 hours

7 November  2012  (10.00-18.00 hours)

5 Follow-up of 2012 Theme
2 (a) Trends and performance in intermodal transport (EIA, BIC)
2 (c) Pan-European developments (Turkey and other countries)
2 (d) Sustainable developments (Rio+20 and ForFITS)
3, 4 + 6 Policy measures – Theme 2011 and new Theme for 2013
9 Revision of IMO/ILO/UNECE Guidelines stowage of cargo into containers
10 Weights and dimensions

Lunch Break   13.00 – 15.00 hours

7 – 8 AGTC and Protocol on inland water transport
11 – 14 Activities of UNECE, election of officers, date of next meeting, etc.
2. New developments and best practices in intermodal transport

(d) Sustainable development and intermodal transport
   • Presentation by TK Blue

(a) Trends and performance in intermodal transport and logistics industry
   • Presentation by UIRR
Working Party on Intermodal Transport and Logistics
55. session (6-7 November 2012)

Agenda item 5: Intelligent Transport Systems

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
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<tbody>
<tr>
<td>16:00</td>
<td>Introduction Mr. Michel Viardot, Chair of WP.24</td>
</tr>
<tr>
<td>16:05</td>
<td>ITS - Opportunities and challenges for Intermodal transport (5 min)</td>
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<td></td>
<td>UNECE secretariat</td>
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<td>16:10</td>
<td>Electronic trading in International supply chains</td>
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<td></td>
<td>UN/CIFACT and ISO ITS solutions for Intermodal transport (10 min)</td>
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<tr>
<td></td>
<td>Mr. Dominique Vankermel, UNECE/CEPT Domain Coordinator Transport and Logistics</td>
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<tr>
<td>16:25</td>
<td>ITS and the carbon footprint in Intermodal transport chains (5 min)</td>
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<tr>
<td></td>
<td>Mr. François Jardé, ITS Task Force Manager</td>
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<td></td>
<td>Mins. of Ecology, Sustainable Development and Energy (France)</td>
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<tr>
<td>16:30</td>
<td>ITS and supply chain efficiency (10 min)</td>
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<td></td>
<td>Mr. Roland Fries, MANEO Consultants (Germany)</td>
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<tr>
<td>17:15</td>
<td>Discussions</td>
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<tr>
<td>17:30</td>
<td>Short break - Networking</td>
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<tr>
<td>17:45</td>
<td>Use of ITS in Intermodal transport operations: The CESAR system (4 min)</td>
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<tr>
<td></td>
<td>Mr. Martin Burghard, Director General, International Union of Combined Rail Transport Companies (IURR)</td>
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<tr>
<td>17:50</td>
<td>Freight logistics and Customs service providers: ITS solutions to facilitate Intermodal transport (5 min)</td>
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<tr>
<td></td>
<td>Ms. Nicolette van der Jagt, Director General, European Organization for Freight Forwarding and Logistics (CLECAT)</td>
</tr>
<tr>
<td>18:00</td>
<td>Discussions</td>
</tr>
<tr>
<td></td>
<td>Close of session (Mr. Michel Viardot, Chair of WP.24)</td>
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<tr>
<td></td>
<td>Cocktail</td>
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<tr>
<td></td>
<td>(Palais des Nations, 5 4th - Door S5, 2nd floor)</td>
</tr>
</tbody>
</table>
5. 2012 Theme Intelligent Transport Systems
   • Follow-up discussions

2. New developments and best practices in intermodal transport
   (a) Trends and performance in intermodal transport and logistics industry
   • Presentations by EIA, BIC and others
2. New developments and best practices in intermodal transport

(c) Pan-European developments in intermodal transport and transport policies
   - Reports of UNECE member countries
   - Informal document WP.24 No.1 (2012) (Turkey)

(d) Sustainable development and intermodal transport
   - Rio+20 Outcome document: The future we want
   - UN project: «For Future Inland Transport Systems»
     Mr. Pierpaolo CAZZOLA, UNECE Transport Division
3. National policy measures to promote intermodal transport (1)

- Updated information for 2012 available: Austria, Belgium, Bulgaria, Czech Republic, Germany, Poland, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey

- 5 new documents: See agenda

- On-line database
  - countries (14)
  - policy measures (11)
  - English (F and R under construction)

http://apps.unece.org/NatPolWP24/
3. National policy measures to promote intermodal transport (2)

Information available for 11 policy measures:

(1) Importance of intermodal transport in national transport policy
(2) National and international policy coordination
(3) Costs and prices
(4) Infrastructure (networks, terminals and logistics centers)
(5) Interoperability
(6) Financial and fiscal support measures
(7) Regulatory support measures
(8) Transport operations
(9) Market monitoring
(10) Fostering of innovations
(11) Support for intermodal operators

3. National policy measures to promote intermodal transport (3)
3. National policy measures to promote intermodal transport (4)

• Need to continue this activity?
  - Other information sources?
• Requirement:
  - Info from countries (pre-filled questionnaires)
  - Regular update
  - Translation (E,F,R)
• Next status report: 2015?
4. Follow-up to the 2011 Theme: Role of terminals and logistics centres for intermodal transport

- WP.24 road map (ECE/TRANS/WP.24/2009/5):
  Annual theme (topic) for substantive discussions
  - 2010 Inland water transport
  - 2011 Terminals and logistics centres
  - 2012 Intelligent transport systems
  - 2013 (yet to be decided)

- Annual procedure:
  - Group of volunteers: Background note early summer
  - WP.24 discussions (lead country/organization) autumn
  - Follow-up event/meeting (technical visit) following spring
  - WP.24 conclusions following autumn
6. Theme for substantive discussions in 2013

- Possible themes (contained in WP.24 road map of 2009):
  - Opportunities and challenges of inland waterways (done in 2010)
  - Role of terminals (done in 2011)
  - Responses by Governments and industry to counter the economic crisis
  - Land transport strategies of maritime ports: Intermodal transport and dry ports in Europe

- Other proposals (weights and dimensions)
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

(a) Status of AGTC Agreement and adopted amendment proposals

(b) Amendment proposals
   (updating and extension of the AGTC network)

(c) Amendment proposals
   (minimum infrastructure and performance standards)
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

- Contracting Parties
- Depositary Notifications
- Text of AGTC Agreement
- Map (AGC+AGTC network)
- Inventory of standards

www.unece.org/trans/wp24/welcome
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

(a) Status of AGTC Agreement and adopted amendment proposals

Updated text of AGTC Agreement: ECE/TRANS/88/Rev.6 (E,F,R)
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

- 32 Contracting Parties

Albania, Austria, Belarus, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, France, Georgia, Germany, Greece, Hungary, Italy, Kazakhstan, Latvia, Lithuania, Luxembourg, Republic of Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Switzerland, Turkey, Ukraine
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

- AGC and AGTC
- Map of networks
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

- Inventory of standards

<table>
<thead>
<tr>
<th>Country</th>
<th>Section of Line</th>
<th>Loading gauge</th>
<th>Nominal minimum speed</th>
<th>Minimum platform length in principal stations</th>
<th>Capacity bottlenecks - Railway line</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>Bruxelles - Arlon - Sterpenich - Kleinbettingen</td>
<td>2</td>
<td>130</td>
<td>300</td>
<td>4</td>
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<tr>
<td>Luxembourg</td>
<td>(Sterpenich) - Kleinbettingen - Luxembourg - Bettembourg - Thionville</td>
<td>2</td>
<td>100</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>France</td>
<td>Bettembourg - Mulhouse</td>
<td>2</td>
<td>120</td>
<td>-</td>
<td>3</td>
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<tr>
<td>France</td>
<td>Mulhouse - Basel</td>
<td>2</td>
<td>120</td>
<td>-</td>
<td>3</td>
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<tr>
<td>France</td>
<td>Mulhouse - Besançon</td>
<td>1</td>
<td>120</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>France</td>
<td>Besançon - Dole</td>
<td>2</td>
<td>120</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>France</td>
<td>Dole - Dijon</td>
<td>1</td>
<td>120</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Switzerland</td>
<td>(Mulhouse -) Basel - Olten - Bern - Brig - Domodossola</td>
<td>3</td>
<td>80</td>
<td>400</td>
<td>2</td>
</tr>
<tr>
<td>Italy</td>
<td>(Brig -) Domodossola - Arona</td>
<td>1</td>
<td>100</td>
<td>-</td>
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</tr>
<tr>
<td>Italy</td>
<td>Arona - Novara</td>
<td>1</td>
<td>100</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>Novara - Milano</td>
<td>2</td>
<td>100</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>Milano - Genova</td>
<td>2</td>
<td>100</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

(b) Amendment proposals (updating /extension of AGTC network)

- Kazakhstan (ECE/TRANS/WP.24/2011/4) - adopted by WP.24 in 2011
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

(b) Amendment proposals (updating/extension of AGTC network)

- Armenia, Georgia, Turkmenistan – pending (ECE/TRANS/WP.24/2009/1)
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

(b) Amendment proposals (updating /extension of AGTC network)

- Denmark, Germany, Sweden - pending (ECE/TRANS/WP.24/2009/4)

Comments and proposals from Denmark and Germany
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

(c) Amendment proposals

(minimum infrastructure and performance standards)

Documentation:

- Survey on relevance of AGC and AGTC technical parameters
  ECE/TRANS/WP.24/2009/2

- Review of technical characteristics of AGC and AGTC rail networks
  ECE/TRANS/WP.24/2010/2

- Review of operational targets in AGTC Agreement
  ECE/TRANS/WP.24/2010/3

- Comments of DG MOVE and further work
  ECE/TRANS/WP.24/2012/5
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

Review of technical characteristics of AGC + AGTC rail networks

- **Objective:** To align AGC+AGTC infrastructure standards with modern rail technologies and technical requirements
- **Comparisons** has been made for 30 technical parameters:
  - AGC (Annex II) - TER
  - AGTC (Annex III) - EIM (technical strategy)
  - TSI (EU) - FERRMED (standards)
  - TAR (ESCAP) - County proposals *(TRANS/WP.24/2005/5)*
- **Compiled by secretariat in** ECE/TRANS/WP.24/2010/2
AGC Infrastructure Parameters (Annex II)

<table>
<thead>
<tr>
<th>Table 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INFRASTRUCTURE PARAMETERS FOR MAIN INTERNATIONAL RAILWAY LINES</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A</th>
<th>Existing lines which meet the infrastructure requirements and lines to be improved or reconstructed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Number of tracks</td>
<td>2</td>
</tr>
<tr>
<td>2. Vehicle loading gauge</td>
<td>UIC B</td>
</tr>
<tr>
<td>3. Minimum distance between track centres</td>
<td>4.0 m</td>
</tr>
<tr>
<td>4. Nominal minimum speed</td>
<td>160 km/h</td>
</tr>
<tr>
<td>5. Authorized mass per axle</td>
<td>22.5 t</td>
</tr>
<tr>
<td>Locomotives (≤200 km/h)</td>
<td>Rail cars and rail motor sets (≤300 km/h)</td>
</tr>
<tr>
<td>Carriages</td>
<td>16 t</td>
</tr>
<tr>
<td>Wagons ≤100 km/h</td>
<td>20 t</td>
</tr>
<tr>
<td>120 km/h</td>
<td>20 t</td>
</tr>
<tr>
<td>140 km/h</td>
<td>18 t</td>
</tr>
<tr>
<td>6. Authorized mass per linear metre</td>
<td>8 t</td>
</tr>
<tr>
<td>7. Test train (bridge design)</td>
<td>UIC 71</td>
</tr>
<tr>
<td>8. Maximum gradient</td>
<td>-</td>
</tr>
<tr>
<td>9. Minimum platform length in principal stations</td>
<td>400 m</td>
</tr>
<tr>
<td>10. Minimum useful siding length</td>
<td>750 m</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B</th>
<th>New lines</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI</td>
<td>For passenger traffic only</td>
</tr>
<tr>
<td>B2</td>
<td>For passenger and goods traffic</td>
</tr>
</tbody>
</table>

* UIC: International Union of Railways.

Done 31 May 1985
**AGTC Infrastructure Parameters (Annex III)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>A at present</th>
<th>B at target values</th>
<th>New lines</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Number of tracks</td>
<td>(not specified)</td>
<td>(not specified)</td>
<td>2</td>
</tr>
<tr>
<td>2. Vehicle loading gauge</td>
<td>UIC B</td>
<td>UIC C</td>
<td></td>
</tr>
<tr>
<td>3. Minimum distance between track centres</td>
<td>4.0 m</td>
<td>4.2 m</td>
<td></td>
</tr>
<tr>
<td>4. Nominal minimum speed</td>
<td>100 km/h</td>
<td>120 km/h</td>
<td></td>
</tr>
<tr>
<td>5. Authorized mass per axle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wagons ≤ 100 km/h</td>
<td>20 t</td>
<td>22.5 t</td>
<td>22.5 t</td>
</tr>
<tr>
<td>≤ 120 km/h</td>
<td>20 t</td>
<td>20 t</td>
<td>20 t</td>
</tr>
<tr>
<td>6. Maximum gradient</td>
<td>(not specified)</td>
<td>(not specified)</td>
<td>12.5 mm/m</td>
</tr>
<tr>
<td>7. Minimum useful siding length</td>
<td>600 m</td>
<td>750 m</td>
<td>750 m</td>
</tr>
</tbody>
</table>

1/ Not of immediate relevance for combined transport, but recommended for efficient international combined transport.
2/ UIC: International Union of Railways.
3/ Minimum standards for combined transport trains (see annex IV).
AGC and AGTC minimum infrastructure parameters

(ECE/TRANS/WP.24/2012/5, Annex)

<table>
<thead>
<tr>
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<th>EC (DG MOVE) comments</th>
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<tbody>
<tr>
<td>1.</td>
<td>Number of tracks</td>
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<tr>
<td>2.</td>
<td>Loading gauge</td>
</tr>
<tr>
<td>3.</td>
<td>Distance between track centers</td>
</tr>
<tr>
<td>4.</td>
<td>Minimum speed (nominal)</td>
</tr>
<tr>
<td>5.</td>
<td>Mass per axle (loco. Carriages, wagons)</td>
</tr>
<tr>
<td>6.</td>
<td>Mass per linear meter</td>
</tr>
<tr>
<td>7.</td>
<td>Test train</td>
</tr>
<tr>
<td>8.</td>
<td>Gradient</td>
</tr>
<tr>
<td>9.</td>
<td>Platform length (in principal stations)</td>
</tr>
<tr>
<td>10.</td>
<td>Useful siding length (750 m)</td>
</tr>
<tr>
<td>11.</td>
<td>Level crossings</td>
</tr>
</tbody>
</table>
Possible **additional** parameters  (mainly based on TSI of EU)

12. Nominal track gauge (1435 mm, 1520 mm, etc.)
13. Minimum radius of curvature
14. Cant (rate of change, cant deficiency)
15. Equivalent conicity
16. Rail inclination
17. Railhead profile
18. Switches and crossings
19. Track stiffness
20. Track resistance to applied loads
21. Structures resistance to applied loads
22. Track geometrical quality and limits on isolated defects
23. Electrical characteristics
24. Platforms (various values)
25. Stabling tracks
26. Fixed installations (toilet discharge, water restocking, etc.)
27. Ballast pick-up
28. Power source
29. Train control
30. Design frequency of trains (by type)
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

Proposed WP.24 actions (ECE/TRANS/WP.24/2012/5, paras. 7-15)

• Review of present AGC+AGTC infrastructure parameters/standards

• **Additional** parameters to be added? Which?
  • both for AGC and AGTC?
  • Passenger and/or-freight?

• Technical interoperability within AGC and AGTC
  • AGC and AGTC: Coordinated plan for development and construction of railway lines of major international importance at pan-European level

• Group of volunteers to prepare amendment proposals?

• WP.24 (and SC.2) review proposals at October 2013 sessions?
8. Protocol on Combined Transport on Inland Waterways to the AGTC Agreement

(a) Status of the Protocol

- Text of AGTC Agreement:
  ECE/TRANS/122 and Corrs. 1 and 2 (E,F,R)

- 9 Contracting Parties:
  Bulgaria, Czech Republic, Denmark, Hungary, Luxembourg, Netherlands, Romania, Serbia, Switzerland

- Signature:
  Austria, France, Germany, Greece, Italy, Portugal, Slovakia
8. Protocol on Combined Transport on Inland Waterways to the AGTC Agreement

(b) Amendment proposals

- ECE/TRANS/WP.24/2010/6 (E)
- ECE/TRANS/WP.24/2008/9 (E,F,R)

• Accepted: Austria (WP.24 on 5.10.2010 (ECE/TRANS/127, para. 50)

• Pending: Bulgaria, Croatia, France, Hungary, Romania

• Pending: UNECE secretariat
  - geo-political changes (Yugoslavia)
  - modification of name of Working Party

• Pending: alignment with AGN Agreement
  - Lay-out of IWT and ports
  - new AGN network adopted by SC.3 on 12 October 2012
8. Protocol on Combined Transport on Inland Waterways to the AGTC Agreement

Alignment of AGN and Protocol to AGTC

• Inland waterways
  • AGN by inland waterway
  • Protocol by country
• IWT ports and terminals in ports
  • AGN P ports
  • Protocol C-P and C terminals

Blue Book database (on-line): Inventory of the AGN inland water network
8. Protocol on Combined Transport on Inland Waterways to the AGTC Agreement

Blue Book database (on-line)
9. Revision of the IMO/ILO/UNECE Guidelines for packing of cargo in intermodal transport units (cargo transport units)

Documentation: ECE/TRANS/WP.24/2012/2

- 1996: Developed and adopted by IMO, ILO and UNECE (WP.24)
- 2010: WP.24 decided to contribute to review and update of guidelines in cooperation with ILO and IMO
10. Weights and dimensions of loading units in intermodal transport

- Monitoring of new developments by UNECE secretariat
  2010: ECE/TRANS/WP.24/2010/5
  2011: ECE/TRANS/WP.24/2011/6
  2012: ECE/TRANS/WP.24/2012/3
10. Weights and dimensions of loading units in intermodal transport

New developments in 2012 *(ECE/TRANS/WP.24/2012/3)*

- France
- Germany
- Sweden
- European Union
10. Weights and dimensions of loading units in intermodal transport

EU Directive 96/53/EC

Max. length: 16.50m/18.75m (semi-trailer/truck-trailer)
11. Activities of UNECE Inland Transport Committee and its subsidiary bodies

Working Party on Transport Trends and Economics (WP.5)
- Climate change impact and adaptation for international transport networks
- Euro-Asian transport links (EATL) project

Working Party on Rail Transport (SC.2)
- Alignment of AGC infrastructure standards
- Work towards unified railway law (Joint Declaration)

Working Party on Inland Water Transport (SC.3)
- Amendments of the AGN inland water network
- New Blue Book IWT database (on-line)
- Harmonization of professional requirements in IWT
12. **Election of officers for 2012**

The Working Party will elect a Chair for its session in 2013

13. **Date and venue of next session**

21-22 October 2013
14. **Summary of decisions**

Draft report: available November/December 2012 (English)

Further information:

www.unece.org/trans/wp24
United Nations
Economic Commission for Europe
(UNECE)

Palais des Nations, Geneva (Switzerland)