UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE
(UNECE)

Working Party on Intermodal Transport and Logistics

Groupe de travail du transport intermodal et de la logistique

Рабочая группа по интермодальным перевозкам и логистике

Serviced by:
Sustainable Transport Section

Geneva, 6-7 November 2012

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

UNECE Transport Division

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 offiers, 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

Agenda item 5: Intelligent Transport Systems

Working Party on Intermodal Transport and Logistics (WP.24)
Groupe de travail du transport intermodal et de la logistique (WP.24)
Рабочая группа по интермодальным перевозкам и логистике (WP.24)

Tuesday, 6 November 2012 (Palais des Nations, Salle V, 1.floor)

Programme

Agenda item 5 - Point 5 de l'ordre du jour

Intelligent Transport Systems (ITS): Opportunities and challenges for intermodal transport
Systèmes de transports intelligents : Possibilités et difficultés du transport intermodal

16:00 - 18:00		
16:00	Introduction	Mr. Michel Viardot, Chair of WP.24
16:05-16:50	ITS - Opportunities and challenges for intermodal transport (5 min) ECE/TRANS/WP.24/2012/1	UNECE secretariat
	Electronic trading in international supply chains: UN/CEFCACT and ISO ITS solutions for intermodal transport (15 min)	Mr. Dominique Vankemmel UN/CEFACT Domain Coordinator Transport and Logistics
	ITS and the carbon footprint in intermodal transport chains (15 min)	Mr. François Janin ITS Task Force Manager Min. of Ecology, Sustainable Development and Energy (France)
	ITS and supply chain efficiency (10 min)	Mr. Roland Frindik MARLO Consultants (Germany)
16:50 – 17:05	Discussions	
17:05 – 17:15	Short break – Networking	
17:15 – 17:45	Use of ITS in intermodal transport operations: The CESAR system (15 min)	Mr. Martin Burkhardt Director General International Union of Combined Road-Rail Transport Companies (UIRR)
	Freight logistics and Customs service providers: ITS solutions to facilitate intermodal transport (15 min)	Ms. Nicolette van der Jagt Director General European Organization for Freight Forwarding and Logistics (CLECAT)
17:45 – 18.00	Discussions Close of session (Mr. Michel Viardot, Chair of WP.24)	
18:10	Cocktail (Palais des Nations, S 410 - Door S2, 4th floor)	

5. 2012 Theme Intelligent Transport Systems

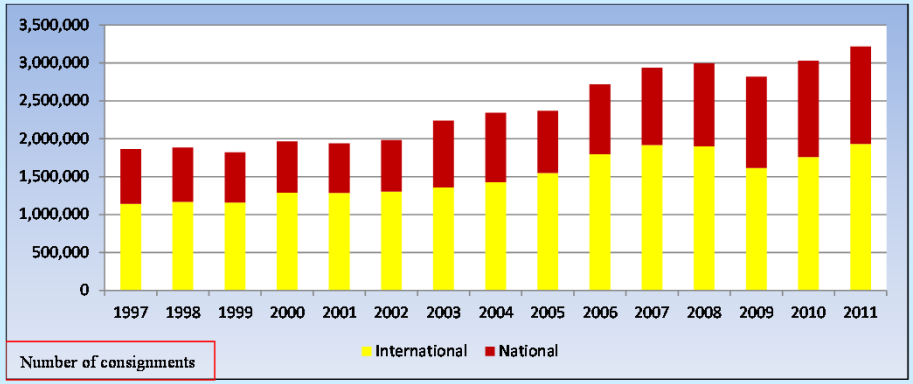
- Follow-up discussions

2. New developments and best practices in intermodal transport

(a) Trends and performance in intermodal transport and logistics industry

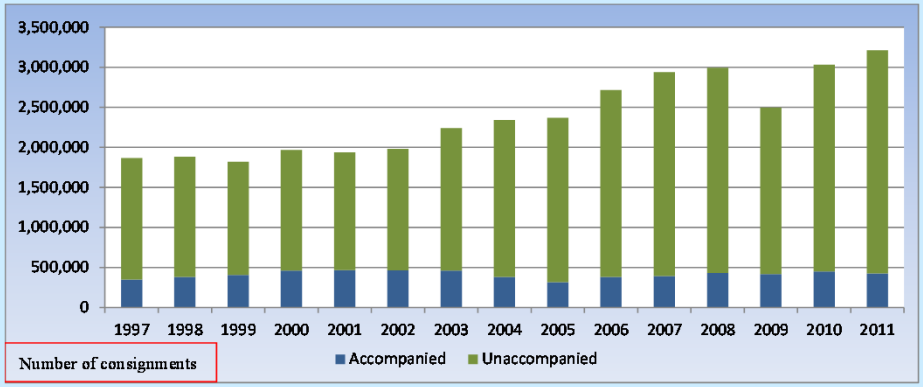
- Presentations by EIA, BIC and others

Intermodal road/rail transport in Europe
(UIRR companies)
Development of national and international traffic



Source: UIRR

Intermodal road/rail transport in Europe
(UIRR companies)
Development of accompanied (RoLa) and unaccompanied traffic



Source: UIRR

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)

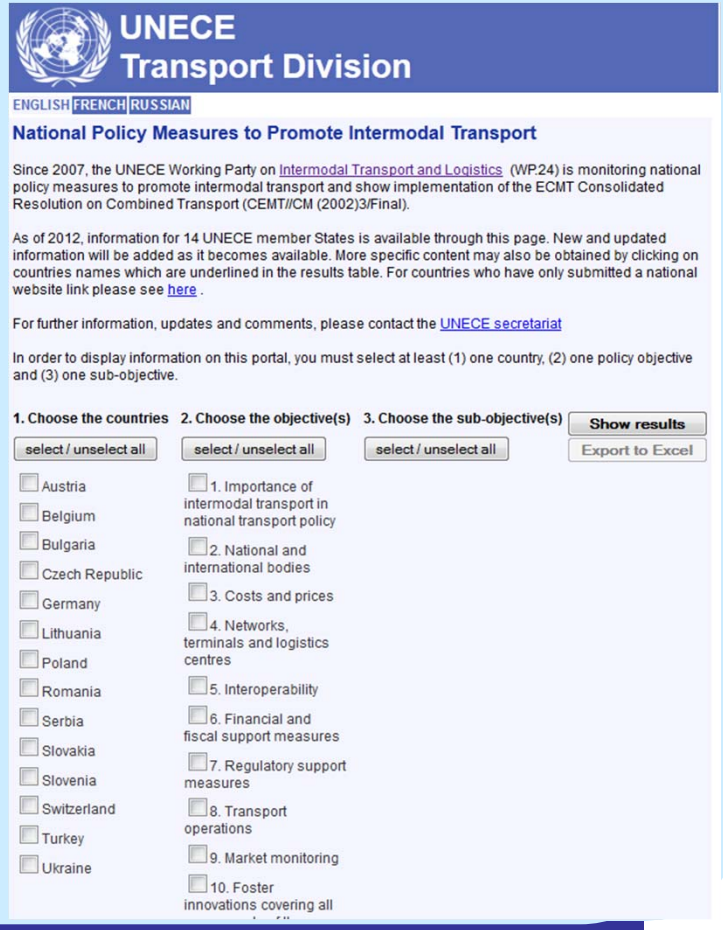
- **Updated information for 2012 available:**

  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/



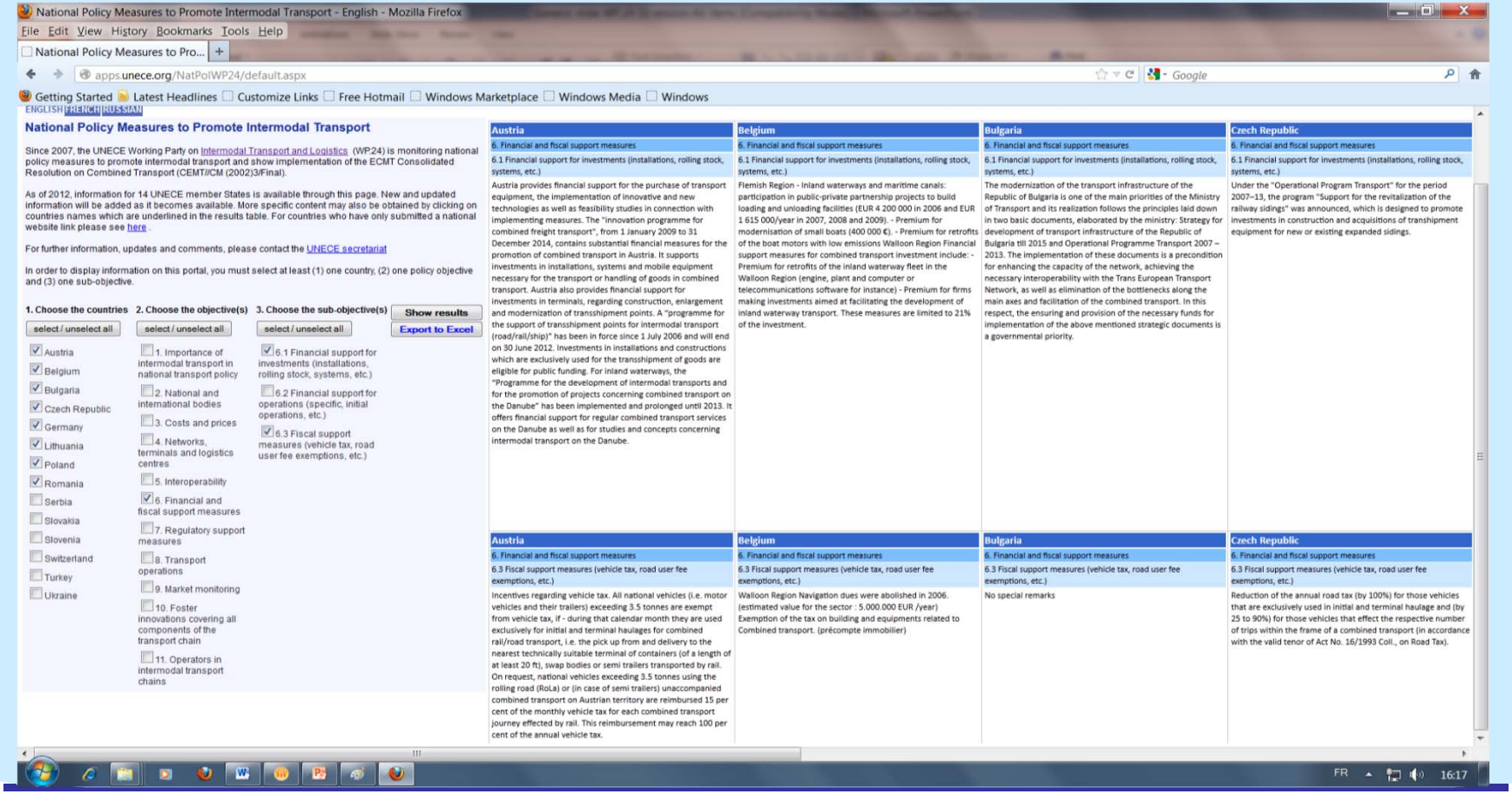
3. National policy measures to promote intermodal transport (2)

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

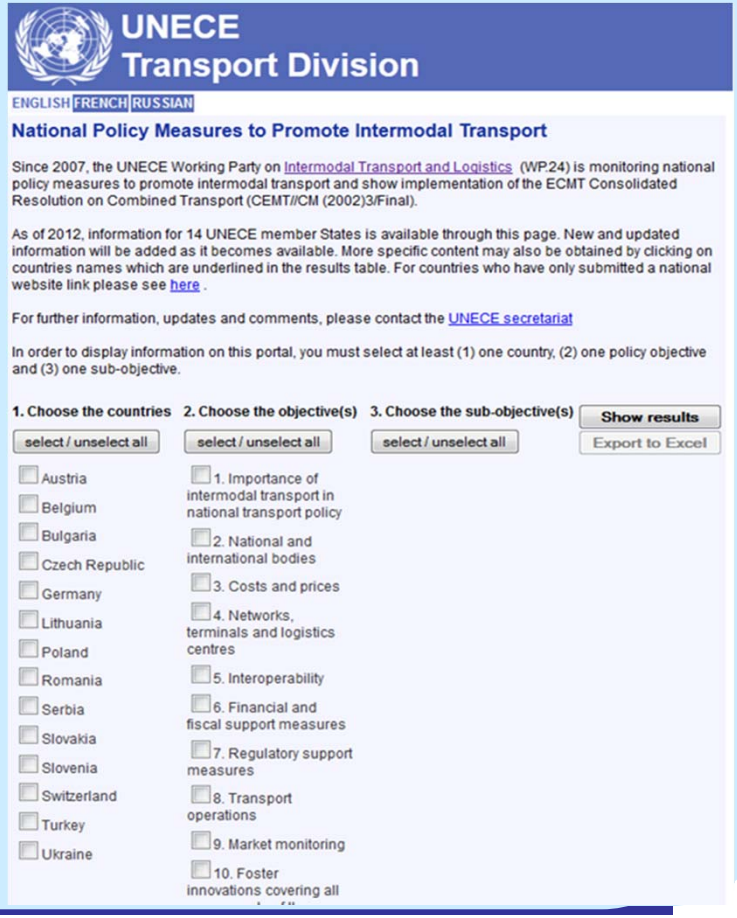
Mandate and basis: ECMT Consolidated Resolution CEMT/CM(2002)3/FINAL

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:**

	Timing
- 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)**

ITC Ministerial Conference Geneva, 26 February 2013

International Transport Forum

Funding transport

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)

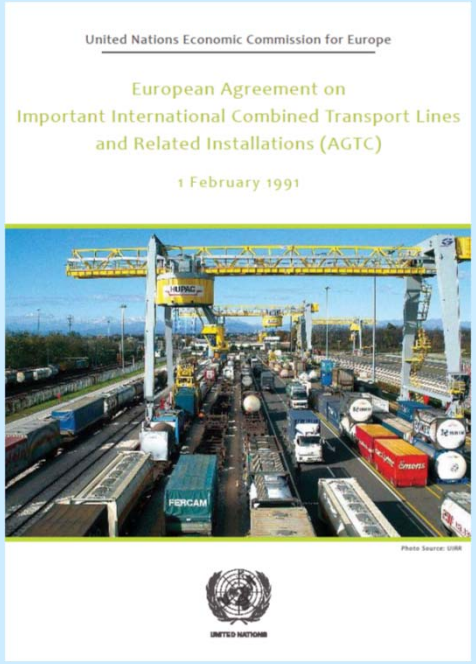
- Contracting Parties
- Depositary Notifications
- Text of AGTC Agreement
- Map (AGC+AGTC network)
- Inventory of standards

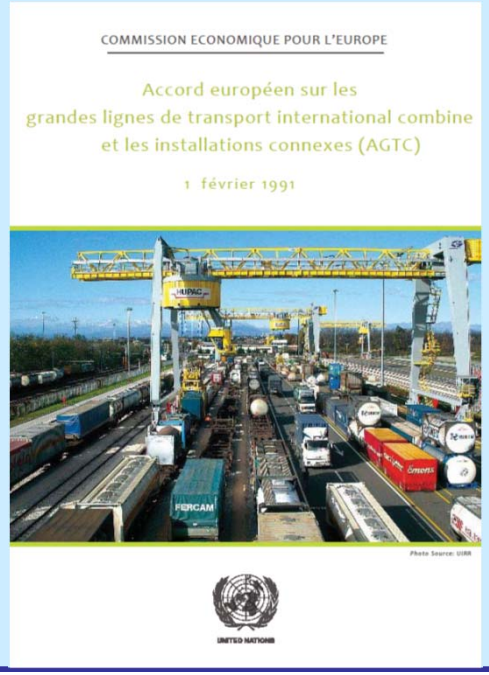
www.unece.org/trans/wp24/welcome

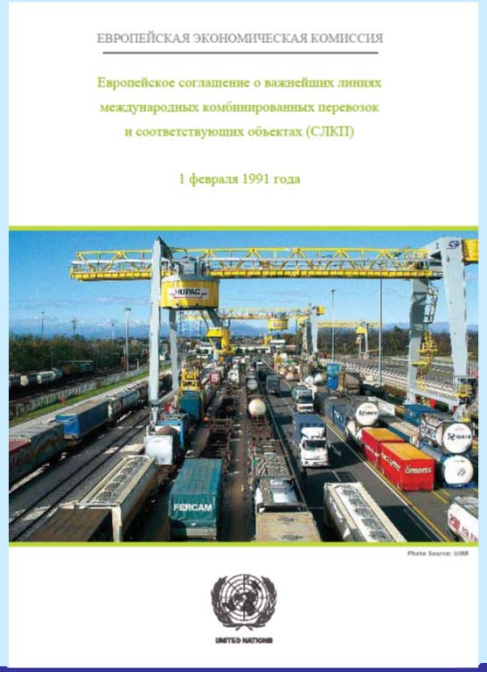
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

(a) Status of AGTC Agreement and adopted amendment proposals

Updated text of AGTC Agreement: ECE/TRANS/88/Rev.6 (E,F,R)







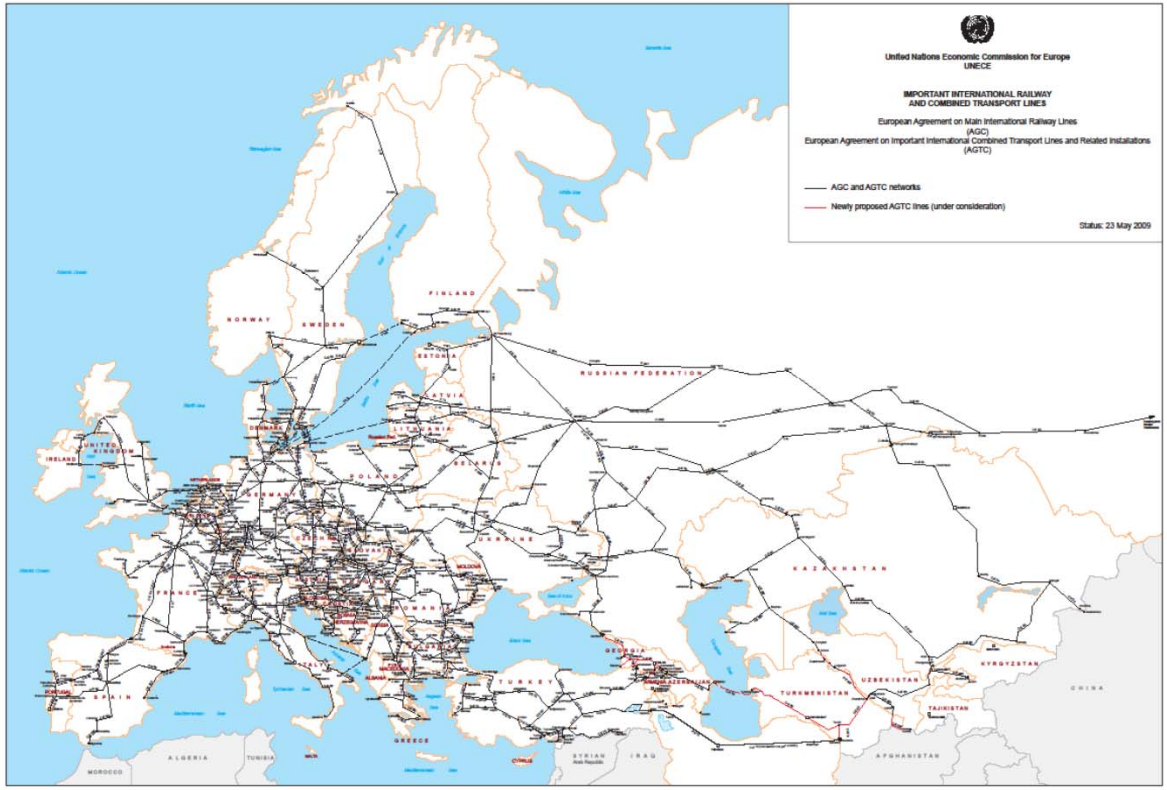
7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

- 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**

Railway Line: C-E 25

Country	Section of Line	Loading gauge	Nominal minimum speed	Minimum platform length in principal stations	Capacity bottlenecks - Railway line
Belgium	Bruxelles - Arlon - Sterpenich (- Kleinbetting-en)	2	130	300	4
Luxembourg	(Sterpenich) - Kleinbettingen -Luxembourg - Bettembourg (- Thionville)	2	100	-	3
France	Bettembourg - Mulhouse	2	120	-	3
France	Mulhouse - Basel	2	120	-	3
France	Mulhouse - Besançon	1	120	-	3
France	Besançon - Dole	2	120	-	3
France	Dole - Dijon	1	120	-	3
Switzerland	(Mulhouse -) Basel -Olten - Bern - Brig (- Domodossola)	3	80	400	2
Italy	(Brig -) Domodossola - Arona	1	100	-	-
Italy	Arona - Novara	1	100	-	-
Italy	Novara - Milano	2	100	-	-
Italy	Milano - Genova	2	100	-	-

Map of AGC and AGTC networks
Carte des réseaux AGC et AGTC

The inventory provides information on the performance of the pan-European rail (AGC) and combined transport (AGTC) networks and shows the degree of compliance with the infrastructure standards stipulated in the AGC and AGTC Agreements.
L'inventaire fournit des informations sur l'exploitation des réseaux ferroviaires et de transport combiné pan européens contenus dans les accords AGC et AGTC et montre le degré de conformité avec les normes d'infrastructure définies dans les accords AGC et AGTC.

Use the form below to build a report on existing infrastructure standards for a chosen railway or combined transport line. Any number of available parameters can be included in the report.
Utiliser le formulaire ci-dessous pour établir un rapport sur les normes d'infrastructure pour une ligne de chemin de fer ou de transport combiné donné. Le nombre de paramètres disponibles pouvant être introduits dans le rapport n'est pas limité.

1. Choose a railway or combined transport line (refer to the above map)

C-E 25

2. Choose the parameters you want to include in the report

Number of tracks
Loading gauge
Minimum distance between track centres
Nominal minimum speed
Authorized mass per axle - Locomotives
Authorized mass per axle - Rail cars and rail motor sets
Authorized mass per axle - Carriages
Authorized mass per axle - Wagons
Authorized mass per linear metre

Tip: Use Shift-click or Ctrl-click to select multiple parameters

3. Click on the button below to generate the report

Generate Report

7. European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)

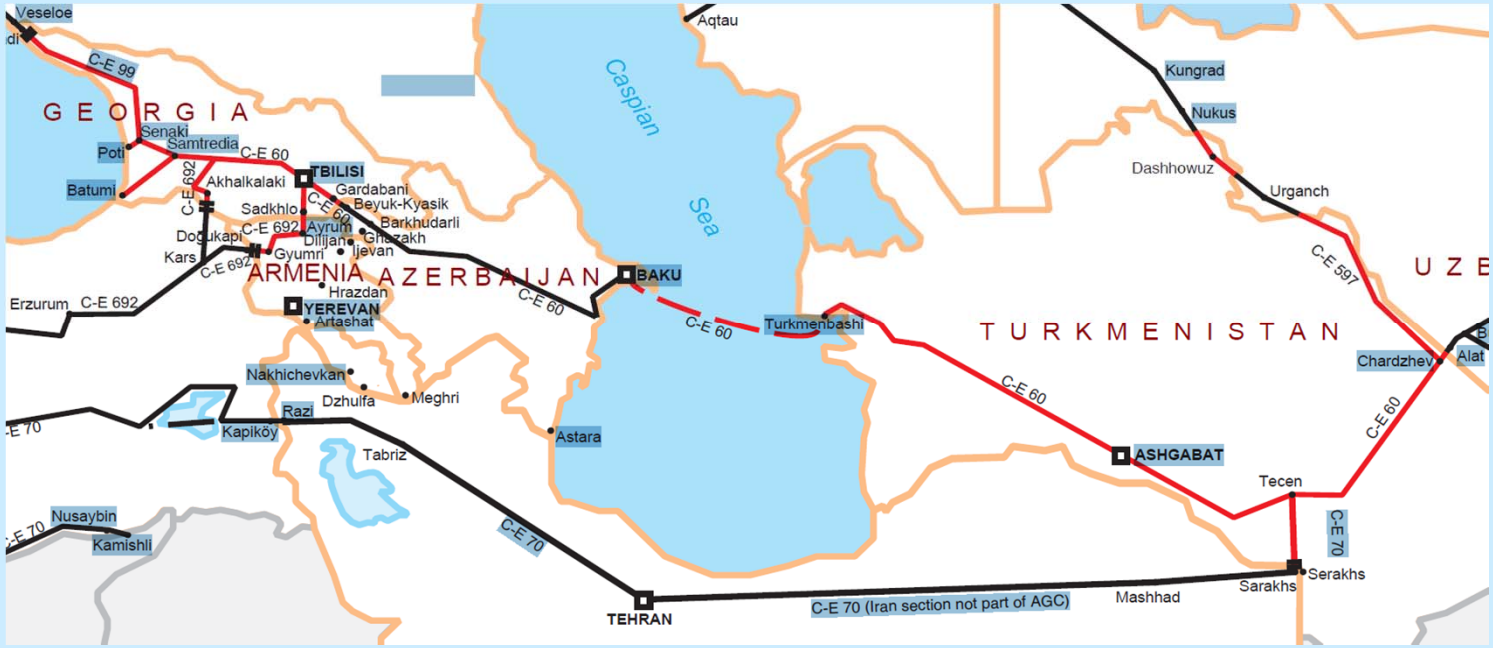
(b) Amendment proposals (updating /extension of AGTC network)

- Kazhakstan (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

United Nations Economic Commission for Europe

European Agreement on Main International Railway Lines (AGC)

31 May 1985

Photo Source: SBB-CFF

UNITED NATIONS

Done 31 May 1985

AGC Infrastructure Parameters (Annex II)

Table 1

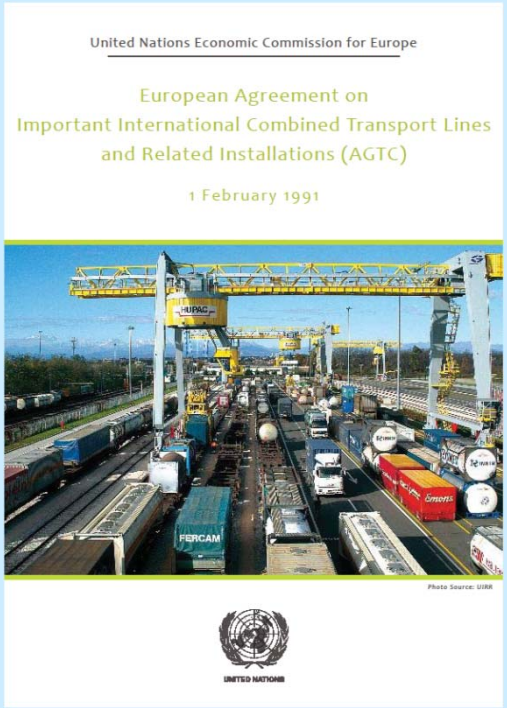
INFRASTRUCTURE PARAMETERS FOR MAIN INTERNATIONAL RAILWAY LINES

	A Existing lines which meet the infrastructure requirements and lines to be improved or reconstructed	B New lines	
		B1 For passenger traffic only	B2 For passenger and goods traffic
1. Number of tracks	-	2	2
2. Vehicle loading gauge	UIC* B	UIC C1	UIC C1
3. Minimum distance between track centres	4.0 m	4.2 m	4.2 m
4. Nominal minimum speed	160 km/h	300 km/h	250 km/h
5. Authorized mass per axle:			
Locomotives (≤200 km/h)	22.5 t	-	22.5 t
Rail cars and rail motor sets (≤300 km/h)	17 t	17 t	17 t
Carriages	16 t	-	16 t
Wagons ≤ 100 km/h	20 t	-	22.5 t
120 km/h	20 t	-	20 t
140 km/h	18 t	-	18 t
6. Authorized mass per linear metre	8 t	-	8 t
7. Test train (bridge design)	UIC 71	-	UIC 71
8. Maximum gradient	-	35 mm/m	12.5 mm/m
9. Minimum platform length in principal stations	400 m	400 m	400 m
10. Minimum useful siding length	750 m	-	750 m
11. Level crossings	None	None	None

* UIC: International Union of Railways.

27

AGTC Infrastructure Parameters (Annex III)



Done 1 February 1991

INFRASTRUCTURE PARAMETERS FOR THE NETWORK OF IMPORTANT INTERNATIONAL COMBINED TRANSPORT LINES

	A		B
	Existing lines which meet the infrastructure requirements and lines to be improved or reconstructed		New lines
	at present	target values	
1. Number of tracks	(not specified)	(not specified)	2
2. Vehicle loading gauge		UIC B[2/]	UIC C[2/]
3. Minimum distance between track centres[1/]		4.0 m	4.2 m
4. Nominal minimum speed	100 km/h[3/]	120 km/h[3/]	120 km/h[3/]
5. Authorized mass per axle:			
Wagons ≤ 100 km/h	20 t	22,5 t	22,5 t
≤ 120 km/h	20 t	20 t	20 t
6. Maximum gradient[1/]	(not specified)	(not specified)	12.5 mm/m
7. Minimum useful siding length	600 m	750 m	750 m

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)

		EC (DG MOVE) comments
1.	Number of tracks	…
2.	Loading gauge	to be aligned with TSI
3.	Distance between track centers	to be aligned with TSI
4.	Minimum speed (nominal)	to be aligned with TSI
5.	Mass per axle (loco. Carriages, wagons)	ok
6.	Mass per linear meter	…
7.	Test train	ok
8.	Gradient	ok
9.	Platform length (in principal stations)	ok
10.	Useful siding length (750 m)	to be aligned with TSI
11.	Level crossings	…

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 ?

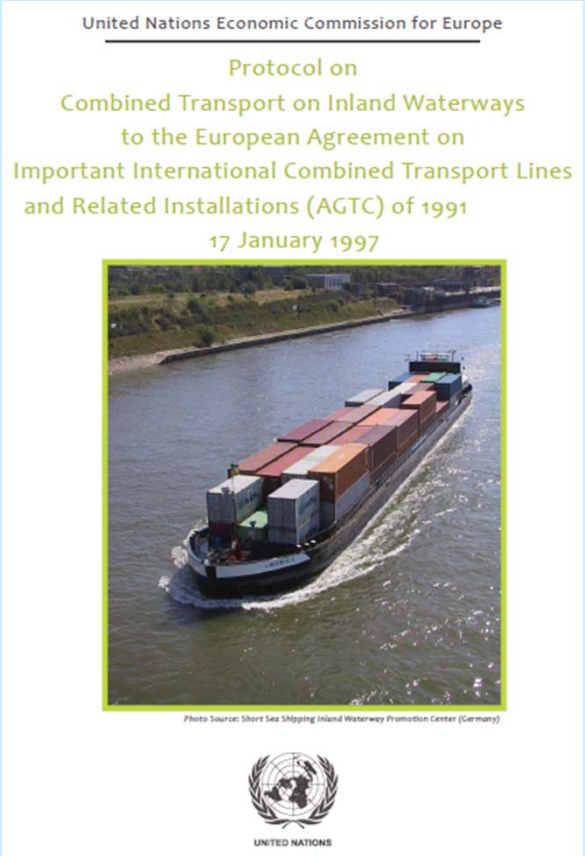
8. Protocol on Combined Transport on Inland Waterways to the AGTC Agreement

(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
    ECE/TRANS/WP.24/2012/4 8 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)

http://www.unece.org/trans/main/sc3/bluebook_database.html

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

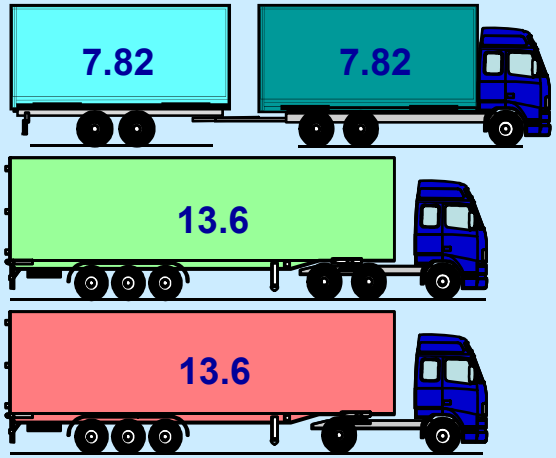
New developments in 2012 (ECE/TRANS/WP.24/2012/3)

- 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)



--- 16,50 m / 18,75 m ----

« Mega-trucks»

---------- 25,25 m ----------

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)