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Mr. Kristof Schockaert
Chair, Inland Transport Committee

UNECE EXECUTIVE COMMITTEE
105th Meeting, Geneva, 29 May 2019

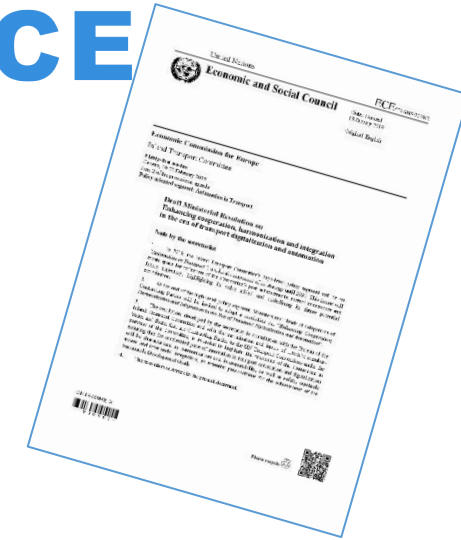
TRANSPORT



81st ITC Plenary: A turning point - I



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High-profile speakers



Ministerial Resolution on transport automation and digitalization

Ministers from Africa, Asia, Europe and the Middle East

400 participants from 75 countries



Cutting-edge side events and demos



ITC 81st Plenary Session

2018 Results per area of work

2018 Policy dialogue

2018 Results analytical work

2018 Results Performance indicators

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81st ITC Plenary Session Adoption of ITC strategy and ITC ToRs



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ITC Strategy 2030: General timeline

INLAND TRANSPORT COMMITTEE



2017
79th Annual session:
- Resolution
- ECE/TRANS/2017/R.1

2018
80th Annual session
- Discussion paper on ITC Strategy
- Background report

2019
81st ITC session:
Adoption of ITC Strategy 2030
68th ECE session:
Endorsement of ITC ToRs



ITC 81st Plenary Session

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ITC – the UN Platform for Inland Transport

Results in 2018



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TIR

Global Customs facilitation tool

CMR

Contract for the International Carriage of Goods by Road

E40

Infrastructure Agreements for roads (AGR), Rail (AGC), Inland Water Transport (AGN), Intermodal Transport (AGTC)



Convention on Road Signs and Signals



International Carriage of Dangerous Goods by Inland Waterways

ATP

Carriage of Perishable Foodstuffs

ADR

International Carriage of Dangerous Goods by Road



European Code for Inland Waterways



Harmonization of Frontier Controls of Goods



Work of Crews of Vehicles engaged in International Road Transport / Digital Tachograph

CH

Convention on Road Traffic



E1

World Forum for Harmonization of Vehicle Regulations (WP 29)



ITC – the UN Platform for Inland Transport

Regulatory centre: Achievements and Priorities - I



Worldwide impacts

For detailed regulatory achievements - please see full report !

- ITC 81st Plenary Session
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- Annually, 89% of all new cars, trucks and buses and 53% of all new motorcycles globally, comply with UN Regulations or UN GTRs
- On the basis of the **CMR convention**, 150 to 200 million consignment notes are issued annually in Europe alone for international trips
- **Green Cards** are used by over **450 million vehicles** in Europe, Central Asia, North Africa and the Middle East
- 129 countries have issued **millions** of International Driving Permits
- about 12 million passenger and cargo transporting vehicles use tachographs in the UNECE region except North America
- **33,845 transport companies** are authorized to use TIR globally
- More than **82 billion tonne-kilometres of dangerous goods** were carried in 2017 subject to ADR provisions in EU member states alone



ITC – the UN Platform for Inland Transport

Regulatory centre: Achievements and Priorities - II



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Top regulatory priorities:

- Automated driving issues and possible amendments of key conventions
- Full implementation of the e-TIR system and the rapid entry into force of Annex 11 to TIR Convention
- Operationalizing eCMR
- Implementing Rev.3 of 1958 Agreement:
 - International Whole Vehicle Type Approval (IWVTA) & Database for the Exchange of Type Approvals (DETA)
- Progress with Unified Railway Law

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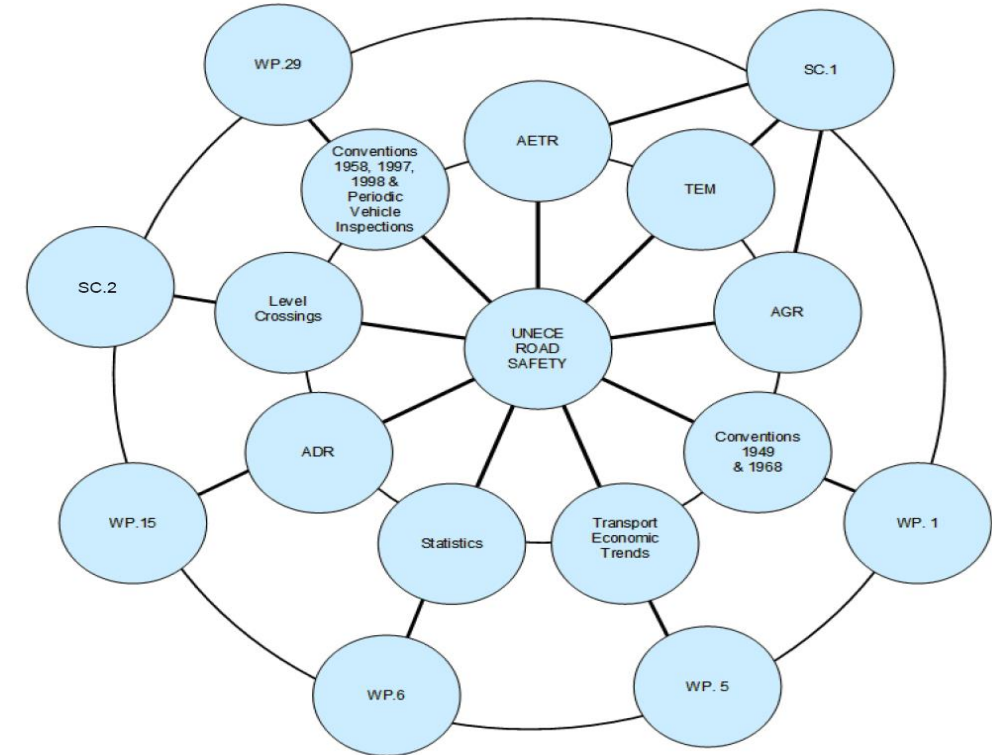


ITC – the UN Platform for Inland Transport

360 degree approach to Road Safety



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- Establishment and operationalization of the **United Nations Road Safety Trust Fund**
- **Adoption of General Assembly Resolution 72/271 on Road Safety**
- **Road Safety Performance Reviews**
- Amendments to the **UN road safety conventions and new vehicle regulations**
- Adoption of WP.1 Resolution on the deployment of highly and fully automated vehicles in road traffic

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ITC – the UN Platform for Inland Transport Regulatory centre: Vehicle Regulations



Vehicle Regulatory Framework

(New and amendments of existing UN Regulations, UN GTRs and UN Rules)

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1958 Agreement

- Three new United Nations vehicle regulations, aimed at improving vehicle safety and environmental performance entered into force in 2018:
 - UN Regulation No. 0 on International Whole Vehicle Type Approval;
 - UN Regulation No. 144 on Accident Emergency Call Systems: uniform provisions concerning the approval of emergency call devices and motor vehicles with regard to the installation of these systems;
 - UN Regulation No. 145 on ISOFIX anchorage systems, ISOFIX top tether anchorages and i-Size seating positions: separate ISOFIX and child restraint system anchorage provisions in UN Regulation No. 14 for facilitating the implementation of the International Whole Vehicle Type Approval.
- WP. 29 adopted two new UN Regulations in 2018:
 - on hydrogen and fuel cell vehicles of category L
 - on mechanical coupling components of combinations of agricultural vehicles
- Existing UN Regulations were updated by 100 amendments, which adapt the regulations to the most recent technological innovations and introduce more stringent limits aimed at increasing both the safety and environmental performance of vehicles.



Implementation of 2018 ITC Decision
Establishment of dedicated Working Party

INLAND TRANSPORT COMMITTEE

- ITC Decision No.19 of 2018:
 - 19. ... **Noting** the importance of WP.29 activities related to automated/autonomous vehicles, **requested** WP.29 to consider establishing of a dedicated subsidiary Working Party (“GR”). ...
 - WP.29 converted GRRF into GRVA, the Working Party on Automated/Autonomous and Connected Vehicles at its June 2018 session.
 - GRVA first met (25-28 September 2018). GRVA will retain GRRF activities related to autonomous, automated and connected vehicles and incorporate current activities, other than its coordination of the Informal Working Group on Intelligent Transport Systems/Autonomous Driving (IWG on ITS/AD).

Vehicle Regulatory Framework

(New and amendments of existing UN Regulations, UN GTRs and UN Rules)

INLAND TRANSPORT COMMITTEE

1997 Agreement

- Proposal for amendments to the 1997 Agreement introducing certain definitions, the possibility for electronic international inspection certificates and provisions on the conformity of periodic technical inspections, were notified by the Office of Legal Affairs.
- In 2018, amendments to provisions for periodic technical inspections on environmental related elements (Rule No. 1) and on the roadworthiness (Rule No. 2) entered into force, extending the scope to passenger cars and small vans, introducing three risk categories of defects and assessment criteria for each of the test items as well as further test items for electronic controlled safety systems.
- Two new UN Rules were adopted by the Administrative Committee of the 1997 Agreement (AC.4) and established as annexed to the 1997 Agreement.
 - UN Rule No.3 sets out uniform provisions for Periodical Technical Inspections of motor vehicles using Compressed Natural Gas (CNG), Liquefied Petroleum Gas (LPG) and/or Liquefied Natural Gas (LNG) in their propulsion system with regard to their roadworthiness.
 - UN Rule No.4 establishes uniform provisions for periodical technical inspections of motor vehicles with electric and hybrid-electric propulsion systems with regard to their roadworthiness.



Implementing Rev.3 of 1958 Agreement:

- International Whole Vehicle Type Approval (IWVTA) &
- Database for the Exchange of Type Approvals (DETA)

Vehicle Regulatory Framework

(New and amendments of existing UN Regulations, UN GTRs and UN Rules)

INLAND TRANSPORT COMMITTEE

1998 Agreement

- In 2018, WP.29 concluded several years of work on new Global Technical Regulations (UN GTR):
 - The new UN GTR No. 20 on electric vehicle safety was adopted at the March 2018 session of WP.29, and introduces performance-oriented requirements that address potential safety risks of EVs while in use and after a crash event, including electrical shocks associated with the high voltage circuits of EVs and potential hazards associated with lithium-ion batteries and/or other Rechargeable Electrical Energy Storage Systems (REESS) (in particular, containing flammable electrolyte);
 - The amendment and adoption of amendments to UN GTR No. 9 (Pedestrian Safety), No. 15 (Worldwide harmonized Light vehicles Test Procedures (WLTP)) and No. 19 (Evaporative emission test procedure for the Worldwide harmonized Light vehicle Test Procedure (WLTP EVAP)).
- In June 2018 the development of a new UN GTR on a harmonized real driving emissions test procedure was initiated. The new UN GTR, that is expected to be adopted by 2020, will centralize expertise and support resources for improved emissions measurement and also support significant economies of scale across the automotive sector.



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ITC – the UN Platform for Inland Transport

Regulatory centre: Border-Crossing Facilitation & TIR



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- Global expansion of the TIR Convention continued unabated in 2018: accessions of Argentina, Qatar and Saudi-Arabia to the TIR;
- A new module of the International TIR Data Bank (ITDB) with a repository of customs offices launched in May 2018
- The customs administrations of Azerbaijan, Georgia, Kazakhstan and Ukraine confirmed their willingness to take part in an eTIR intermodal project between their countries ;
- ITC adopted at its 81 session the text of a **new Convention on passenger transport by rail**, the **59th Convention** under the purview of the ITC.



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ITC – the UN Platform for Inland Transport

Regulatory centre: Transport of dangerous goods



Working Party on the Transport of Dangerous Goods

Past year's achievements: Results

INLAND TRANSPORT COMMITTEE

- Adoption of a set of amendments to ADR that entered into force on 1 January 2019
 - e.g new provisions on vehicles powered by cleaner fuels (such as liquefied or compressed natural gas);
- New ADR Edition (2019);
- Accession of Nigeria to ADR;
- Accession of Tunisia to the Protocol amending Article 1 (a), Article 14 (1) and Article 14 (3) of the ADR.

Working Party on the Transport of Dangerous Goods

Contribution to ITC Strategy until 2030

INLAND TRANSPORT COMMITTEE

- Enhancing the role of ITC as the UN Platform for inland transport conventions, by strengthening promotion of accession by non-ECE member States to the United Nations legal instruments on inland transport administered by ECE
 - COP to amend the title of the Agreement to facilitate accession from non-ECE countries.
- Special priority of global interest: Further promotion of ADR as one of the main UNECE legal instruments contributing to the improvement of road safety, as a follow up to Resolution A/RES/72/271 of the General Assembly on improving global road safety;
 - Continue to support Contracting Parties in developing, improving and sustaining their national road safety systems;
 - Continue to promote accession and effective implementation of the ADR;
 - Sharing of experience/information among Contracting Parties.
- Continue to develop provisions to ensure high level of safety during road transport of dangerous goods;
- Ensure that the ADR provisions are keeping pace with cutting-edge technologies driving transport innovations (e.g considering use of electric and hybrid electric vehicles for the transport of dangerous goods).

ECOSOC Committee of experts on the TDG and on the GHS

INLAND TRANSPORT COMMITTEE

- Achievements 2018
 - Adoption of a new set of harmonized provisions to be implemented worldwide by 2021, addressing e.g:
 - Safe transport of explosives, lithium batteries, infectious substances or chemicals under pressure, etc
 - Use of non-animal testing methods for classification of chemicals
 - Worldwide harmonised regulations
 - Same level of protection of people/environment
 - Transport and trade facilitation
 - No duplication of work at national level
 - Consistency of national legislation with international standards

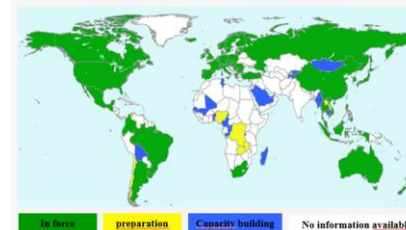


Work of the ECOSOC Committee of Experts on TDG and GHS

Geographical impact GHS

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- More than 70 countries worldwide



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- Activities related to the ATP agreement and the work of WP.11:
 - Organisation of a round table during the 2018 session of WP.11 (8 October 2018) to discuss ways to improving the work of WP.11
 - Resulted in sharp increase of amendments to ATP to be notified to Contracting Parties for final acceptance
 - Among them, **a key milestone**: provisions adopted for replacement of fluorinated gases (F-gases) for other refrigerants with lower Global Warming Potential (GWP)



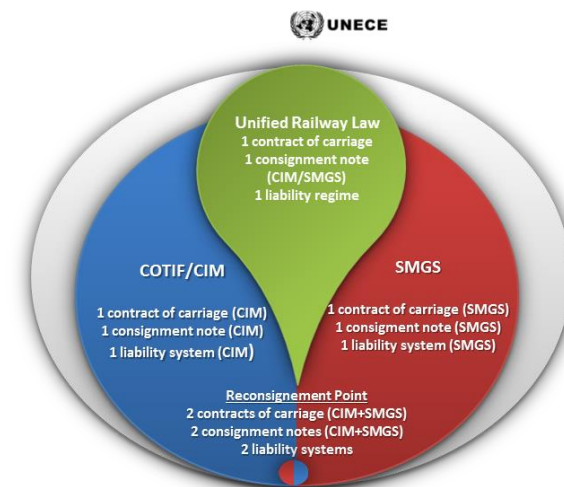
ITC – the UN Platform for Inland Transport

Regulatory centre: Rail transport



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- The Group of Experts on Unified Railway Law during 2018 continued to (i) discuss rail issues which would be best addressed through unified railway law, (ii) test the provisions developed under the unified railway law, as well as (ii) work on converting the agreed provisions into a legally-binding instrument.
- The Working Party on Rail Transport organised a Workshop on Rail Security in collaboration with ITF and UIC with participants from around the world and a Workshop on Innovation in the railways attended by more than 70 participants



ITC – the UN Platform for Inland Transport

Regulatory centre: Road transport



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Great success in promoting digitization of consignment notes

- a. Many recent accessions to eCMR
- b. SC.1 the main platform for multilateral dialogue and exchange of best/emerging practices by contracting parties implementing e-CMR
- c. Special SC.1 session in April 2018 to operationalize e-CMR

Digital tachograph: work ongoing to amend the AETR Agreement

- EU Regulations 165/2014, 2016/799 and 2018/502: «smart tachograph»
- Proposals for changes to AETR Agreement (Arts. 14, 22, 22bis, Appendix 1C, Appendix 4) to incorporate EU legislation
- Challenge: Compulsory smart tachograph in EU from 15 June 2019
- Next AETR Group of Experts meeting on 17 June 2019
- Interest of Governments of Lebanon and Egypt to accede

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ITC – the UN Platform for Inland Transport Regulatory centre: Inland Water Transport



Digitalization and automation in inland navigation

Workshops

INLAND TRANSPORT COMMITTEE

- **Autonomous shipping and Inland Navigation**
(14 February 2018, organized jointly by UNECE and De Vlaamse Waterweg nv)
 - progress in the maritime sector and examples of autonomous ships
 - automation levels developed by CCNR
 - smart shipping project and test area by De Vlaamse Waterweg nv
 - education and training
- **Digitalization in Inland Water Transport**
(4 October 2018)
 - Policy initiatives in digital transport and logistics
 - Computerization of work and transport documents
 - Development of digitalization and RIS technologies
 - strategies for inland waterways and river-sea shipping



International Ministerial Conference “Connecting by Inland Navigation” Wrocław, Poland, 18-19 April 2018

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- Organized jointly by UNECE and the Ministry of Maritime Economy and Inland Navigation of Poland
- More than 400 participants from 24 countries
- European Commission, River Commissions, international associations and organizations, basin authorities and other key players
- Ministerial plenary session and six thematic panel discussions
- Signing the Ministerial Declaration and a poster



Development of IWT infrastructure

INLAND TRANSPORT COMMITTEE

- European Agreement on Main Inland Waterways of International Importance (AGN) Revision 4
- Updated map of the European Inland Waterway Network
- Addendum No. 1 to the third revision of the Inventory of Main Standards and Parameters of E Waterway Network (the Blue Book)
- Ongoing work on harmonizing the GIS database of the Blue Book with TEN-T transport corridors



Standardization of technical and safety requirements in inland navigation

INLAND TRANSPORT COMMITTEE

- European Code for Signs and Signals on Inland Waterways (resolution No. 90)
- European Code for Inland Waterways (CEVNI): Amendment No. 2 Publication “Implementation of CEVNI Revision 5” (ECE/TRANS/266)
- Resolution No. 61, second revision (resolution No. 91)



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ITC – the UN Platform for Inland Transport

Regulatory centre: Intermodal transport



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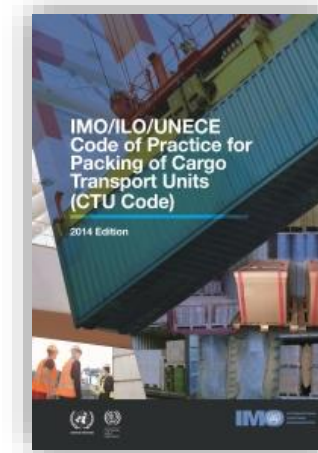
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- a. Workshop on “**Operational challenges of regional intermodal transport and innovative solutions**”;
- b. Publication on “**Railways role in Intermodality and the digitalization of transport documents**”;
- c. Preparation of a study on “**Intermodal transport terminals**”;
- d. Preparation of a handbook on “**National Master Plans on freight transport and logistics**”;
- e. Enhancement to the use of CTU Code. Group for Experts ToRs provisionally approved by ITC – subject to approval by IMO and ILO
- f. Decision to organize during 2019 a workshop on “**Intermodal transport and logistics’ role in making cities and human settlements inclusive, safe, resilient and sustainable**”;
- g. Work towards intermodal issues along Euro-Asian Transport Links



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ITC – the UN Platform for Inland Transport

Transport Statistics



- **Workshop on inland waterway statistics**
- **UNECE official statistics being used to measure SDG 9.1.2 in 2019**
- **Series of Papers on how UNECE existing data collection can measure the SDGs:**
 - Paper 1: Road safety statistics and the SDGs
 - Paper 2: Bus statistics and the SDGs
 - Paper 3: tonne-km statistics and the SDGs
- **5th Edition of Glossary for Transport Statistics Finalised**
- **2020 E-Road and E-Rail Censuses: Resolutions approved by ITC**



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ITC – the UN Platform for Inland Transport

Policy dialogue: Intelligent Transport Systems (ITS)



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Events in 2018

ITC Working Parties ITS activities

(examples)

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RID/ADR/ADN Joint Meeting – achievements in ITS for TDG

The Joint Meeting of the RID Committee of Experts and the Working Party on the Transport of Dangerous Goods, based on the outcome of the "Telematic" Working Group has established an ITS architecture to allow dematerialized information exchange suitable for the needs of transport of dangerous goods

The architecture is based on trusted party interfaces through which competent authorities may have access to the data required to be made available to them.

Efficiency of the system has been demonstrated on real scale projects.

The first steps are linked with digital documentation but the terms of reference of the working group included further applications such as improving and speeding emergency response... There is a clear link with the general policy concerning the improvement of safety, efficiency and sustainability through automation.



RID/ADR/ADN Joint Meeting – ongoing work in ITS for TDG

The Joint Meeting "Telematic" working group is establishing guidelines for the use of the approved architecture in order to allow some States to anticipate its use on a voluntary basis for digitalized data exchange related to the transport documentation based on possibility mentioned in the international agreements

Three countries have developed, or are at a late stage of developing, operational trusted parties interfaces. Five have expressed their interest and have joined this common effort.

Guidelines should be finalized in 2019

The Joint Meeting invites the ITC to support the effort of developing, publishing and promoting the use such guidelines.



5

ITC Working Parties ITS activities

(examples)

INLAND TRANSPORT COMMITTEE

World Forum on Harmonization of Vehicle Regulations (WP.29)

New certification concept for higher automation levels: Lower levels of automation – WP.29 achievements idea currently discussed



ITC Working Parties ITS activities

(examples)

INLAND TRANSPORT COMMITTEE

The Global Forum for Road Traffic Safety (WP.1)

- Adoption of a WP.1 Resolution on the safe deployment of highly and fully automated vehicles in road traffic:
 - The resolution offers recommendations to ensure the safe interaction between automated vehicles, other vehicles and more generally all road users, and stresses the key role of human beings, be they drivers, occupants or other road users.
 - Global Forum intends to amend the resolution as technology develops and as experience accumulates regarding the use of highly and fully automated vehicles in road traffic and turning attention to the legal contents of the 1949 and 1968 conventions on road traffic.
 - Deliberations on activities other than driving in automated vehicles

INLAND TRANSPORT COMMITTEE

ITC Working Parties ITS activities

(examples)

Working Party on Intermodal Transport and Logistics

The Working Party regularly addresses the role of ITS in intermodal transport and logistics by providing the necessary framework conditions for discriminatory free access to innovative solutions and good practices in ITS.

The Working Party on Inland Waterways

- Ministerial Declaration "Inland Navigation in a Global Setting" adopted at the International Ministerial Conference on Inland Water Transport held on 18-19 April 2018.
- ITS applications in Electronic Ship Reporting and on the harmonization of pan-European River Information Services (RIS)
- Provisions for variable traffic signs were included in Resolution No. 90

Working Party on Road Transport (SC.1)

- Harmonization of intelligent infrastructure has not received enough attention in the past
- April 2018, SC.1 held a special workshop which reported practices, trends and perspectives in smart road infrastructure
- Project called Traffic Management as a Service from the City of Ghent, Belgium.
- Julius Bauer based on future scenarios
- Helmholtz Institute, Association of Toll Road Networks' actual traffic management center and National User Information System for the Aegean Motorway in Greece.
- Smart Cities initiative of EEA and public-private partnerships and projects on smart infrastructure in the Netherlands.

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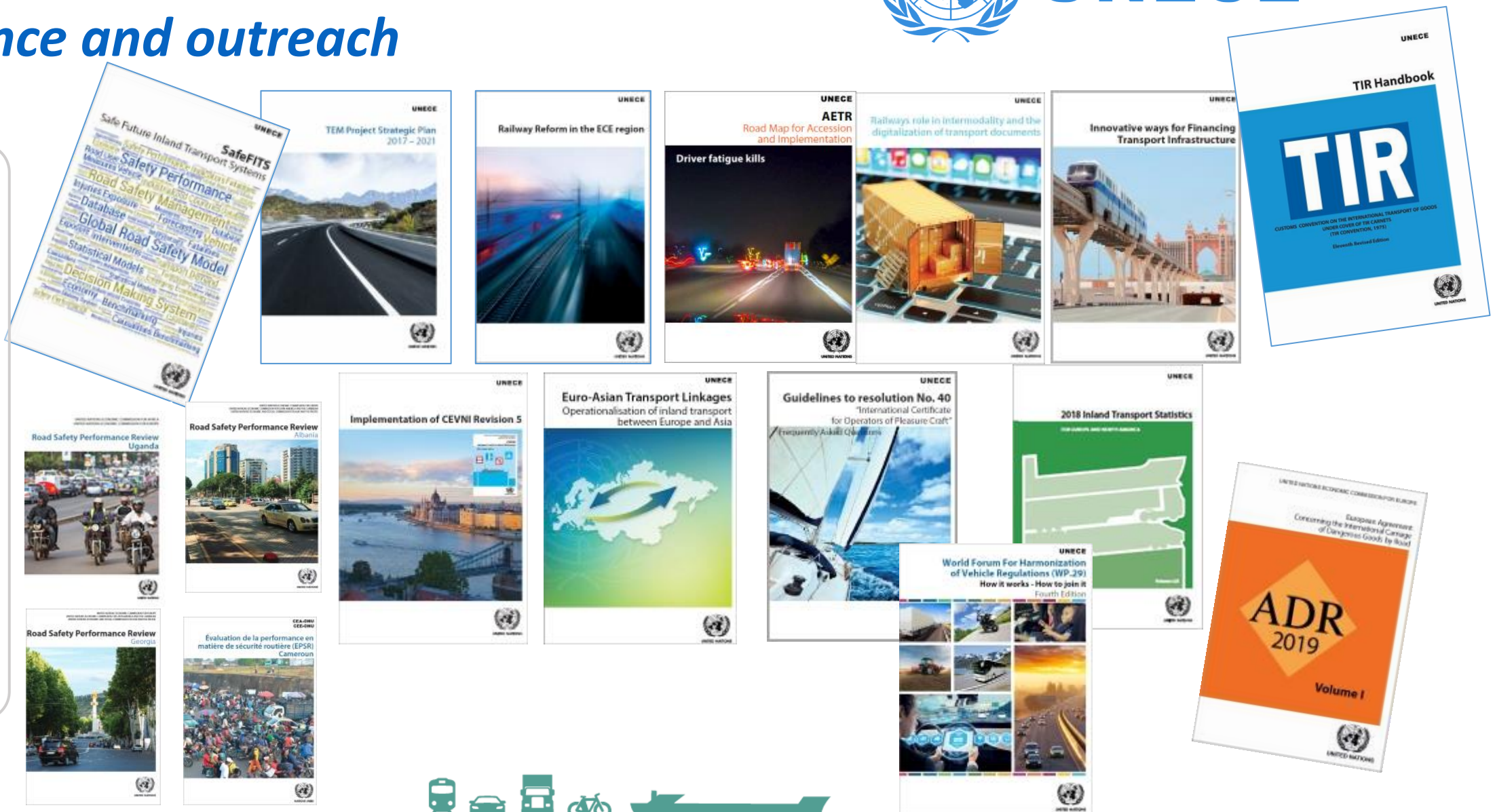
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Policy tools, analytical work, technical assistance and outreach



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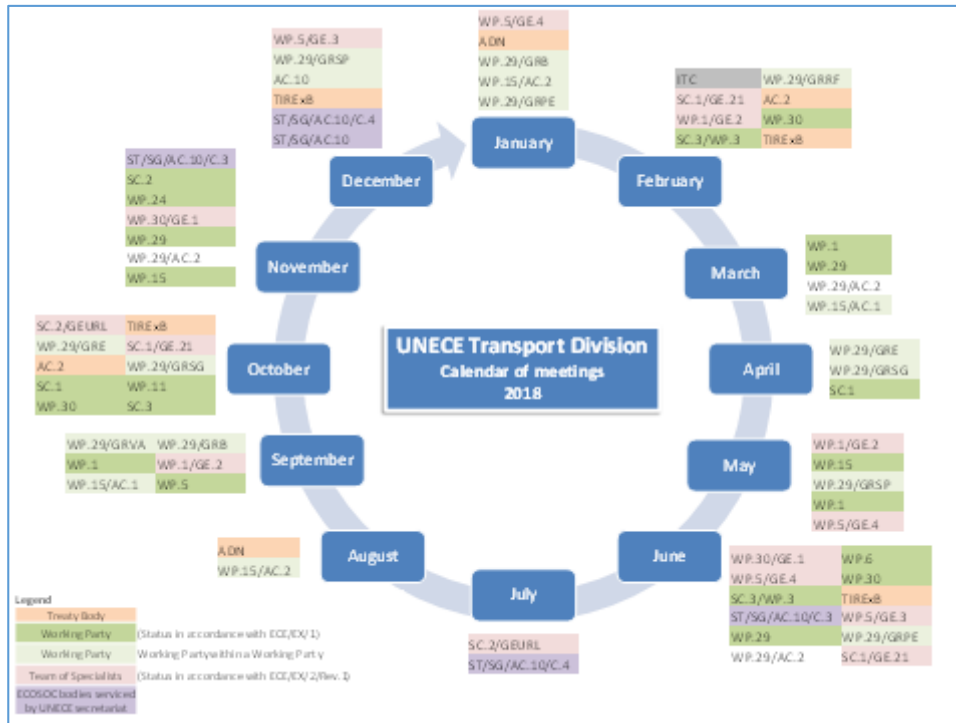
Performance indicators



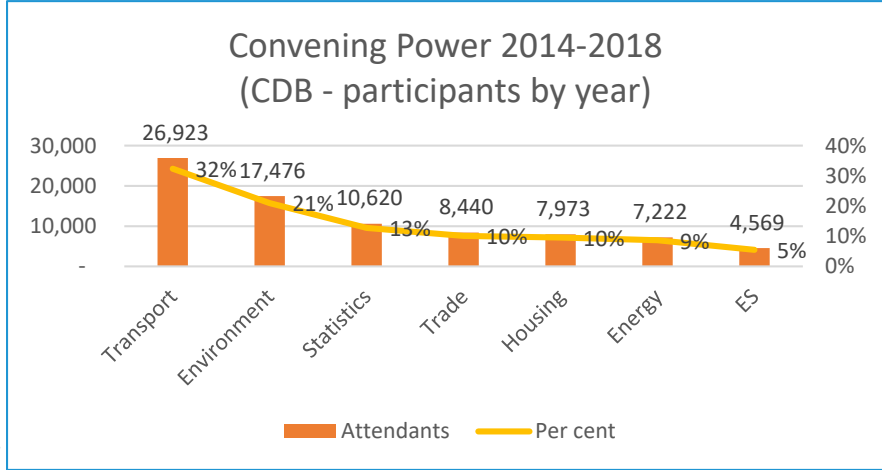
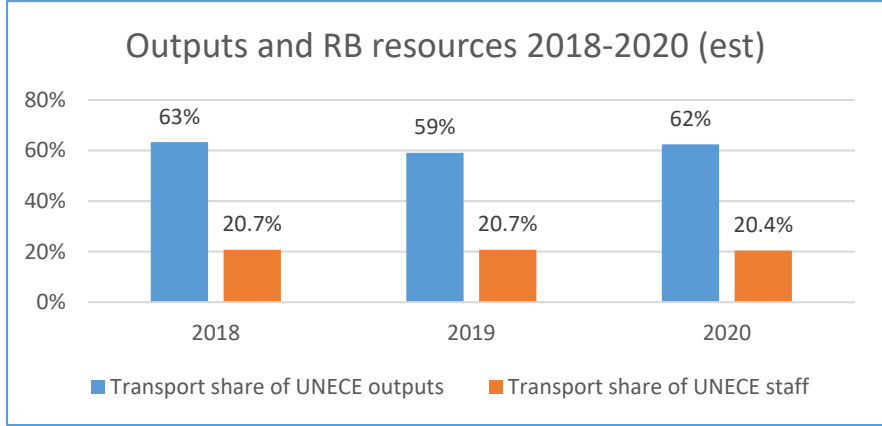
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No week without a transport meeting



Stretched or efficient?





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- **EXCOM is requested to:**

Renew the mandates of the mandates of:

- **the Group of Experts on Benchmarking Transport Infrastructure Construction Costs,**
- **the Group of Experts on Road Signs and Signals and**
- **the Group of Experts on the European Agreement concerning the Work of Crews of Vehicles Engaged in International Road Transport (AETR)**

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SAFE, CLEAN, SECURE AND EFFICIENT MOBILITY FOR PEOPLE AND FREIGHT

- Inclusive International Legal Architecture
- Effective Public Administration
- International Cooperation
- Innovative Financing
- New Technologies
- Social Responsibility

enablers

objectives

- Seamless B / C
- Facilitated international transport
- Reduced GHG emissions
- Reduced air / noise pollution
- Increased P.T. Mobility Choices
- Zero traffic fatalities and injuries
- Efficient transport services
- Enjoyable walking and cycling

*The future
Inland Transport
WE WANT!*

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