



United Nations Economic Commission for Europe

Transport Division

WORLD FORUM FOR HARMONISATION OF VEHICLE REGULATIONS WP.29

*Vehicle type-approval, certification and
periodic technical inspections*

PARTICIPATION





Content

I. *WP.29*

a) *WP.29 Activities*

b) *WP.29 scope and organization*

II. The tools of WP.29

a) Vehicle approval: the 1958 Agreement

b) Vehicle certification: the 1998 Agreement

c) Periodic technical inspections (PTI): the 1997 Agreement

III. WP. 29 Meetings, documents and Website





The World Forum for Harmonization of Vehicle Regulations (WP.29)

- UNECE Transport Division: secretariat to WP.29 for more than 60 years
- WP.29 is:
 - the unique worldwide regulatory forum for the automotive sector
 - administrating three Multilateral UN Agreements



Construction regulations
1958 Agreement - Type Approval Regulations with mutual recognition of the type approvals
1998 Agreement - Global Technical Regulations



In Use PTI regulations
1997 Agreement - Adoption of Uniform Conditions for Periodical Technical Inspections of Wheeled Vehicles and the Reciprocal Recognition of Such Inspection





What is WP.29 doing?



Emissions of pollutants and CO₂



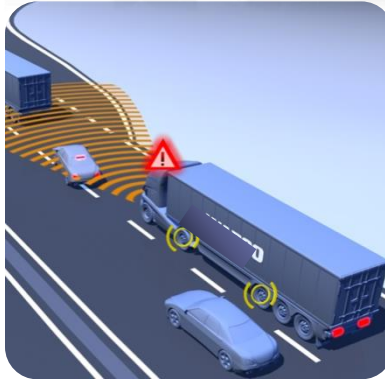
General safety



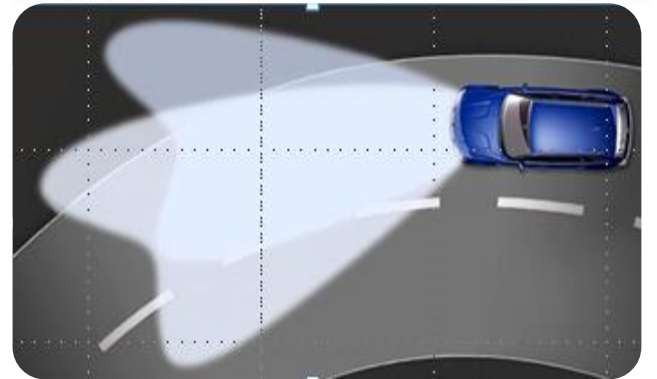
Passive safety



Noise



Active safety



Lighting and light signalling



Future

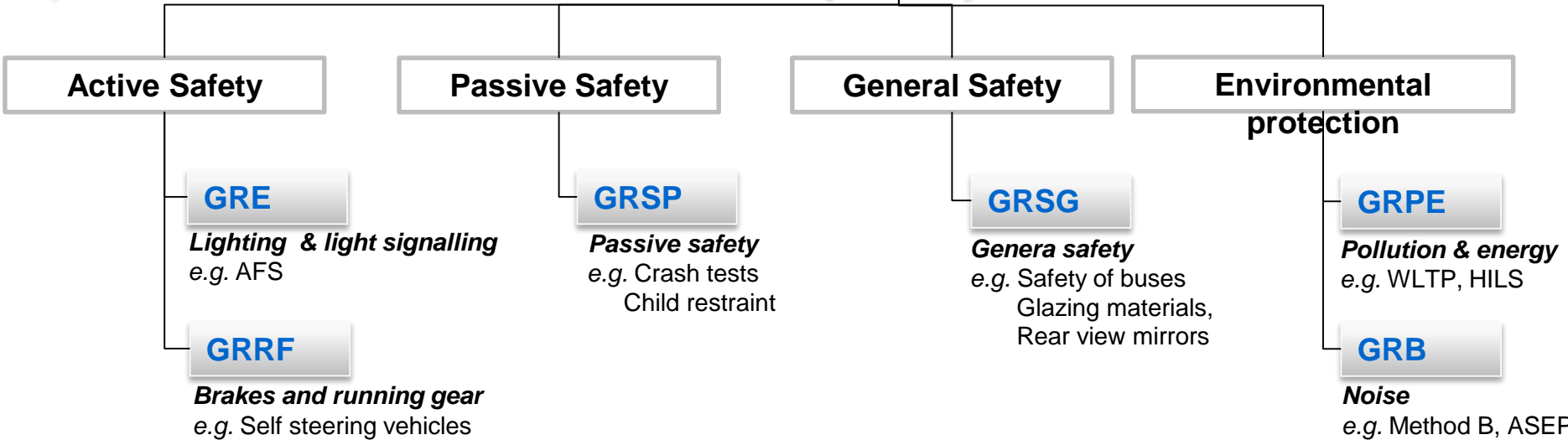


The WP.29 structure

Committee for the 1958 Agreement (AC.1)
 Committee for the 1998 Agreement (AC.3)
 Committee for the 1997 Agreement (AC.4)

Committee for Coordination of Work (AC.2)

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



and ~40 non-permanent technical groups





WP.29 is worldwide, unique and transparent

- Agreements open to all Nations of the UN
- Participation open to States, Governmental Organizations (GOs) and NGOs, but

Decisions are taken by Governments (of CPs)

- No other worldwide organization covers this area

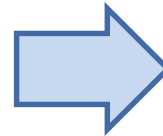




Decision making process



Experts of Working Group make a proposal of amendment to existing UN Regulation or for a new one



The WG adopt the proposal & send to WP.29
Only CPs have right to vote



WP.29 adopt the proposal with 4/5 majority

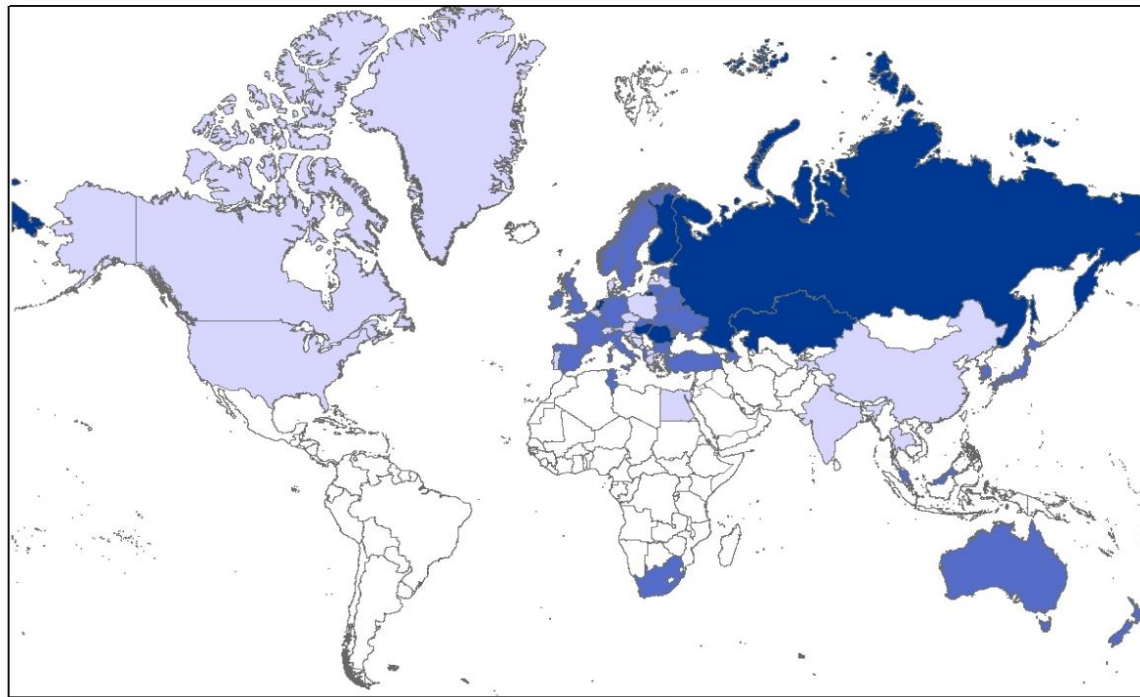
CPs applying that UN Regulation bounded to recognize approvals

The UN Regulation/Amendment is adopted after 6 months if no disagreement from >1/5 CPs





Geographical scope of WP.29



Countries contracting parties to Vehicle Regulations Agreements

Number of Agreements





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Principal Elements of the **1958** Agreement

Eligible Contracting Parties to the **1958** Agreement:

Members of UN

The **1958** Agreement provides:

Legal framework for the adoption of uniform UN Regulations on the vehicle construction

Reciprocal recognition of Type Approval
Approved once and accepted everywhere (CPs)
Elimination of barriers to trade





Principal Elements of the **1958** Agreement

Contracting Parties to the **1958** Agreement notify type approval authority and technical services

Any recognized technical service may be notified

Contracting Parties to the **1958** Agreement decide:

On the UN Regulations they don't wish to apply and notify it to the UN Secretary General





Principal Elements of the 1958 Agreement

All vehicle parts and systems approved according to UN Regulations under the 1958 Agreement bear the unique **E**-marking

Excellence Effective Economic Efficient

Excellence Effective Economic Efficient





Latest Developments in Vehicle Regulations

- Revision 3 to the 1958 Agreement entered into force on 14 September 2017
- Evolution of the Agreement (Revision 3):
 - (a) allowing the Contracting Parties to grant type approvals according to former versions of UN Regulations annexed to the 1958 Agreement;
 - (b) adding new provisions for the International Whole Vehicle type Approval (IWVTA) system;
 - (c) establishing, at UNECE, an electronic Database for the Exchange of Type Approval documentation (DETA) between all the Contracting Parties to the Agreement;





Latest Developments in Vehicle Regulations (cont.)

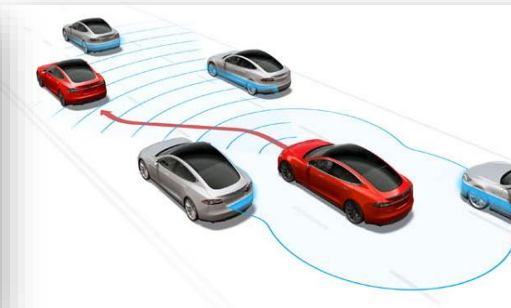
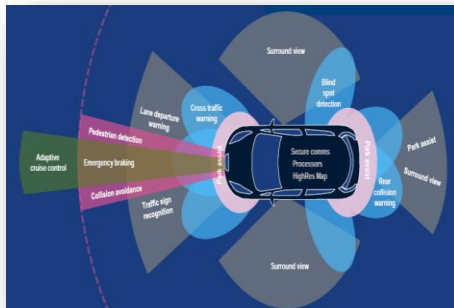
- (d) modifying the voting conditions for the adoption of new UN Regulations or their amendments to existing UN Regulations (i.e. from the two-thirds majority under Revision 2 to four-fifth majority under Revision 3); and
- (e) reviewing and strengthening the current provisions with the aim to improve the functioning and reliability of the type approval procedures and the conditions for their mutual recognition (i.e. quality assurance assessment, certification and conformity of production procedures, the tasks, responsibilities and competences of involved parties and aspects related to enforcement such as ensuring market surveillance and safeguard measures).





Latest Developments in Vehicle Regulations

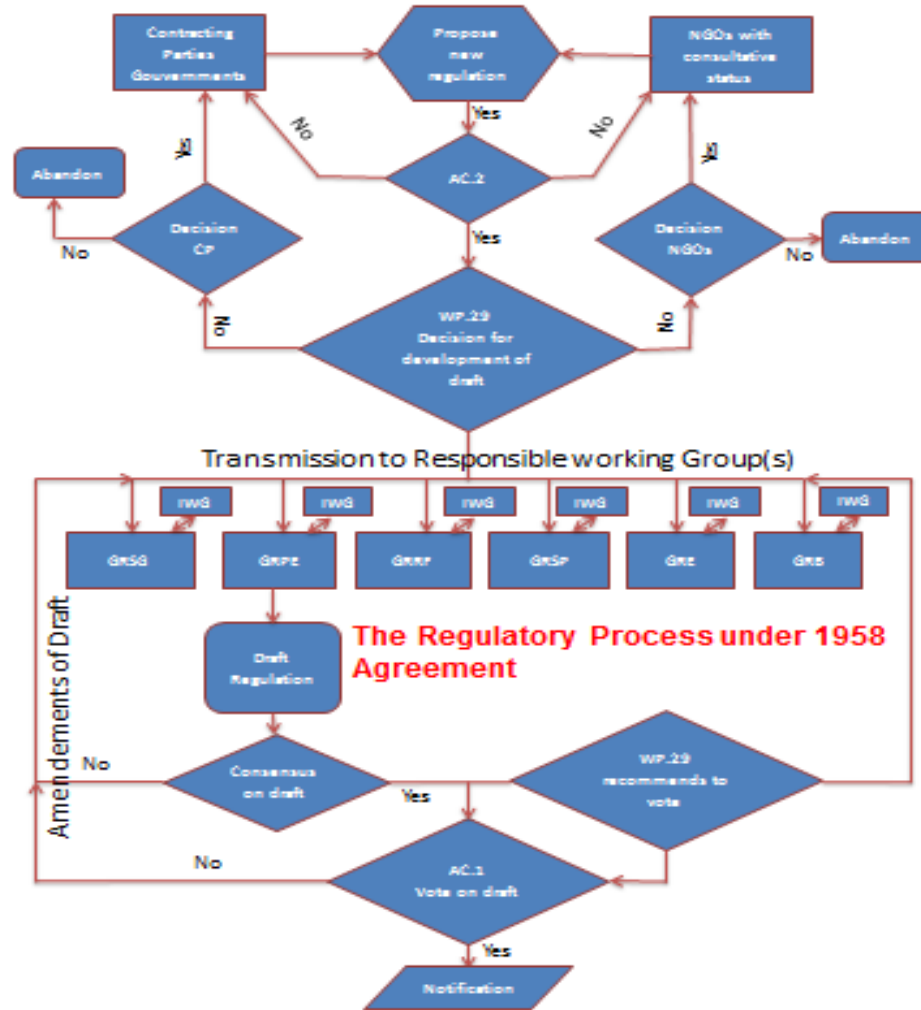
WP.29 is the forum where the performance requirements and the technical regulations applicable to automated vehicles are defined :



WP.29 committed to continue improving the safety and environmental performance of vehicles:

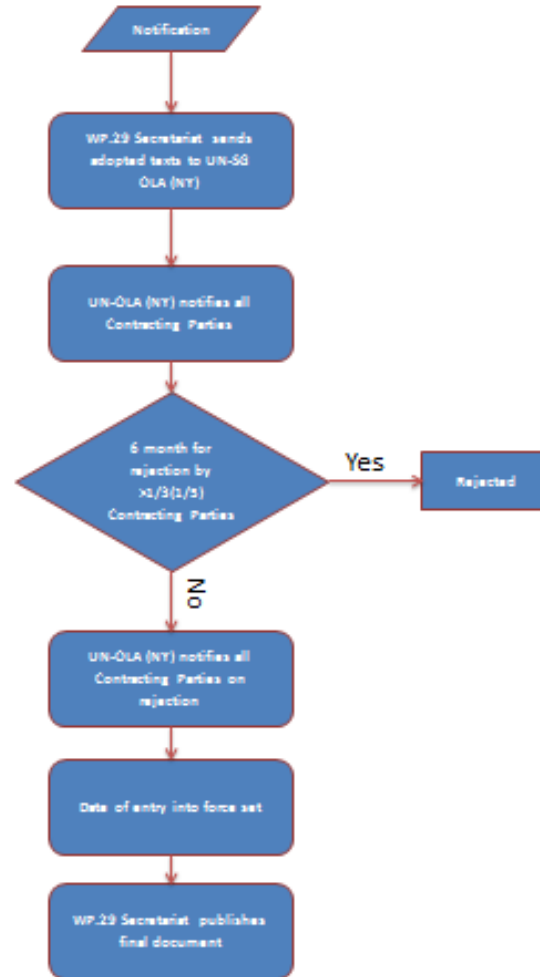
- Blind Spot Monitoring
- Safety of Electric Vehicles
- WLTP...
- Child restraint systems
- Safety belt anchorages
- Quiet road vehicles ...





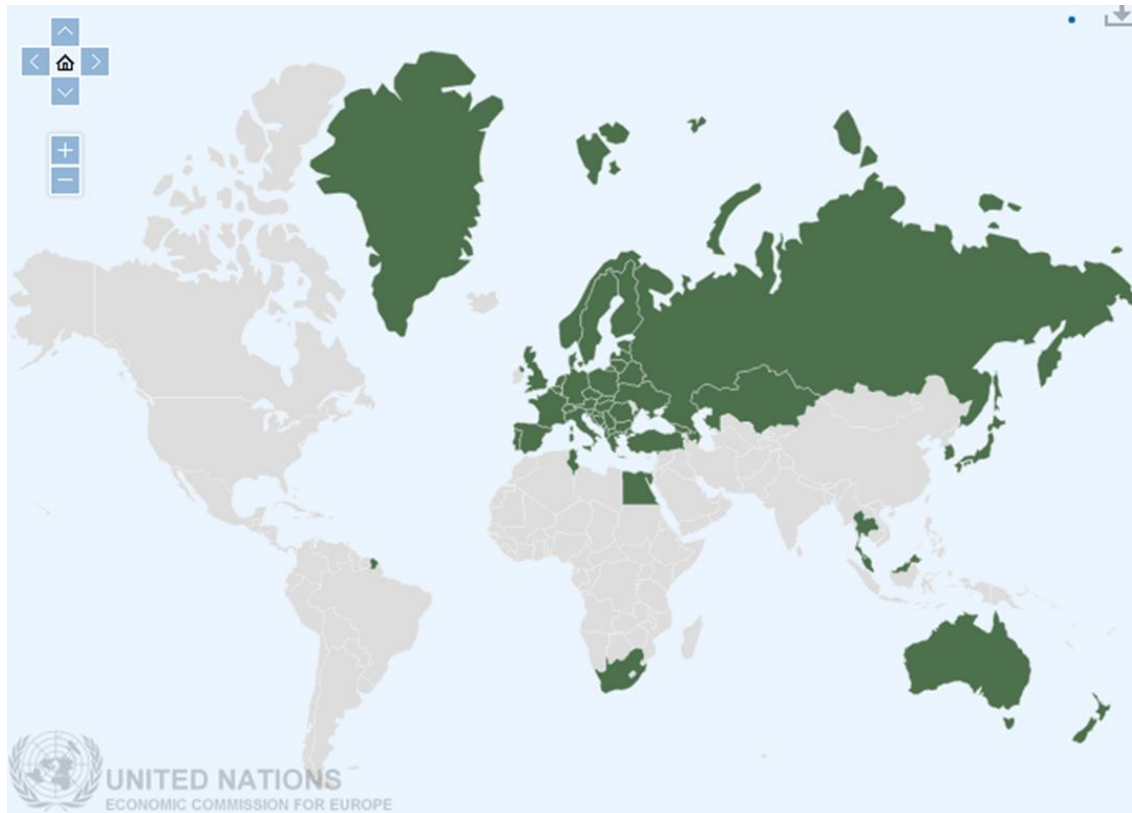


The Notification Process under 1958 Agreement





Contracting Parties to the 1958 Agreement





Principal Elements of the **1998** Agreement

Eligible Contracting Parties to the **1998** Agreement:

Members of UN

The **1998** Agreement provides:

Legal framework for the adoption of uniform
Global Technical Regulations GTRs

No administrative provisions
(for self certification and homologation)





Principal Elements of the 1998 Agreement

Contracting Parties to the 1998 Agreement

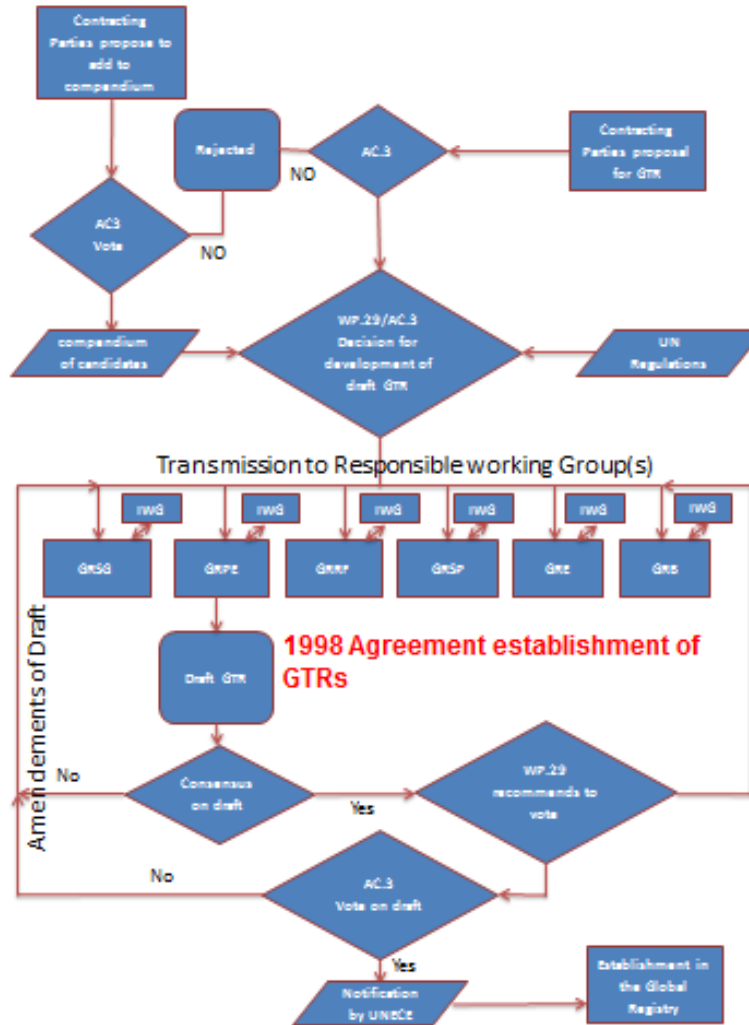
Commit themselves to implement a GTR into national legislation, when voting in favour

Need a system/agency for market surveillance and enforcement of production compliance

The 1998 Agreement requests

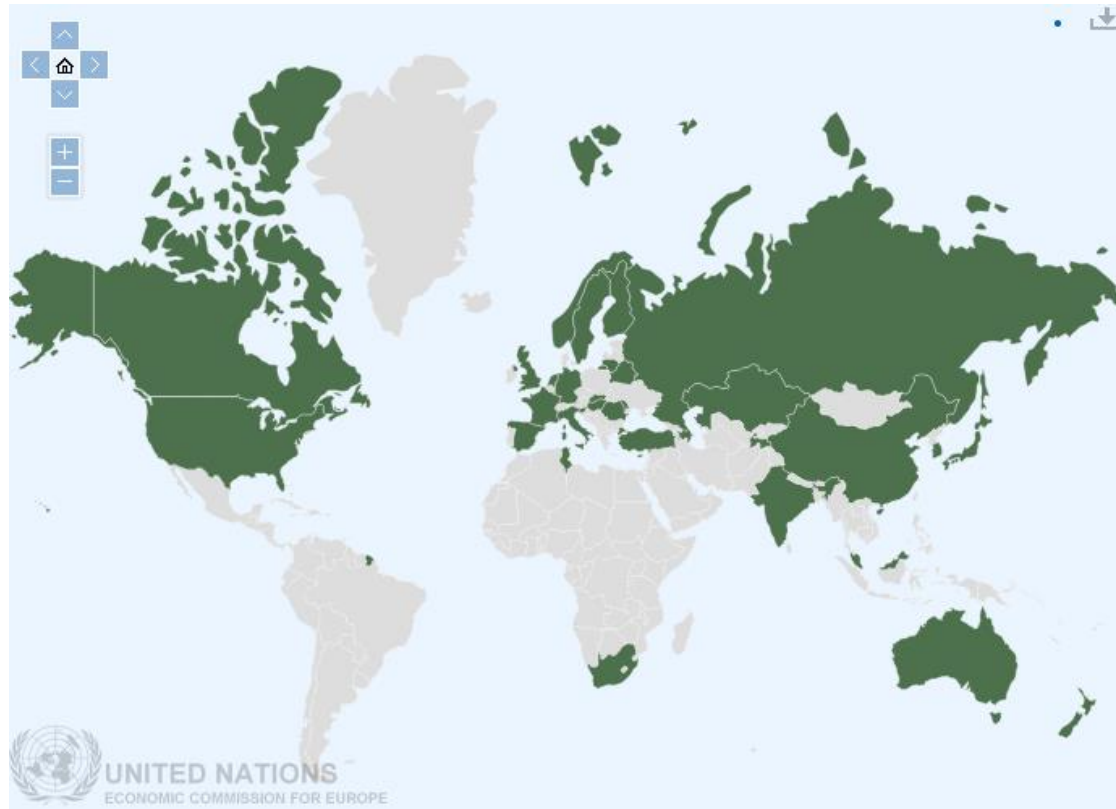
Regular reporting by Contracting Parties on the implementation of GTRs in their national law







Contracting Parties to the 1998 Agreement





Principal Elements of the 1997 Agreement

Eligible Contracting Parties to the 1997 Agreement:

Members of UN

The 1997 Agreement provides:

Legal framework for the adoption of uniform
UN Rules for PTI of vehicles in use

Reciprocal recognition of certificates of such
inspections for cross-border use of vehicles





Principal Elements of the 1997 Agreement

1997 Agreement

UN Rule No. 1

UN Rule No. 2

(UN Rule No.3)

(UN Rule No.4)

Resolution R.E.6

- Facilities & equipment
- Skills & training
- Supervision

For environmental issues

For safety inspection

For LPG/LNG vehicles

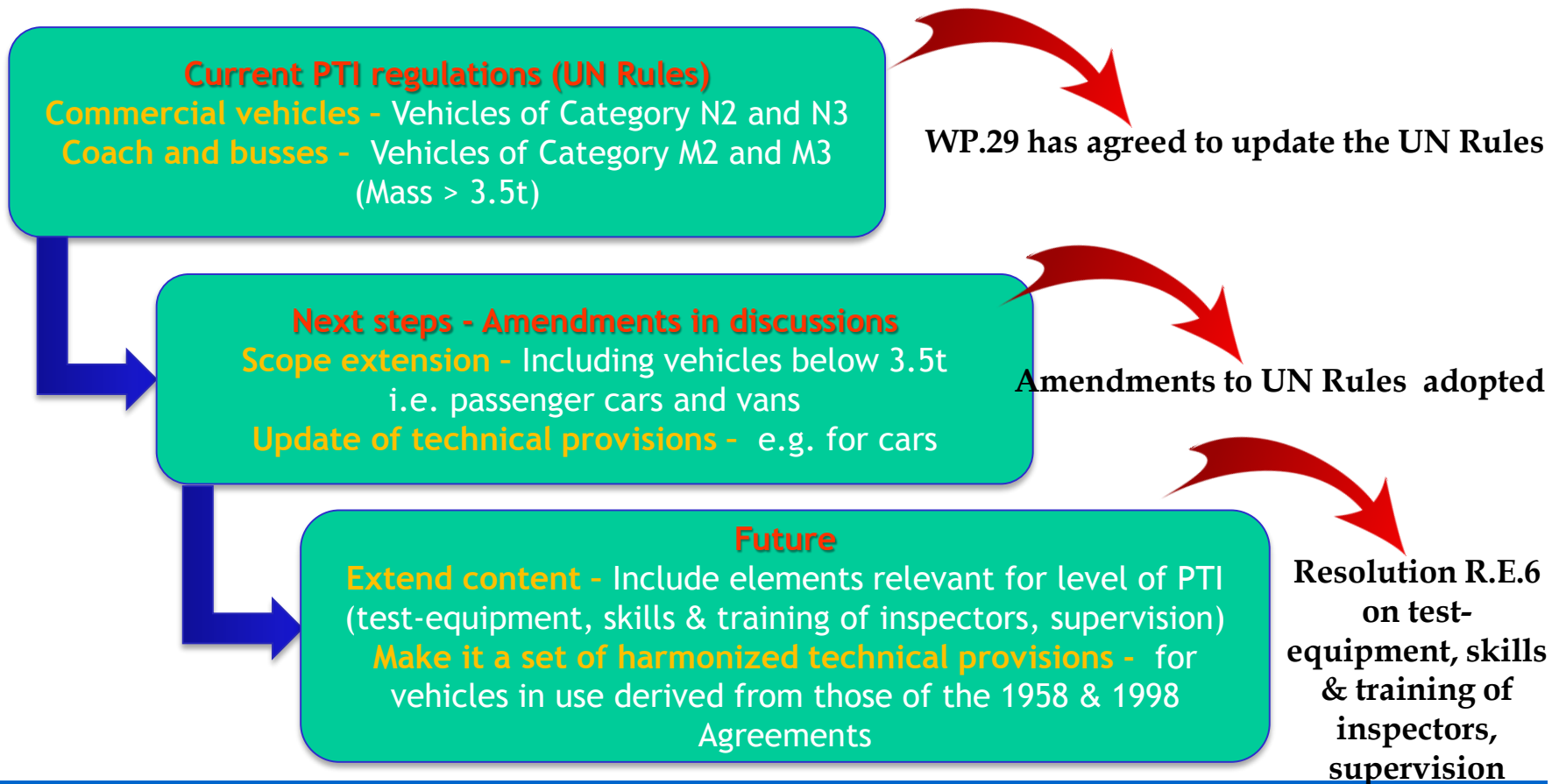
For electric and hybrid vehicles

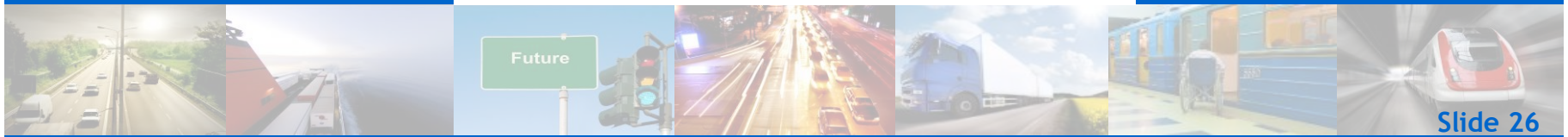
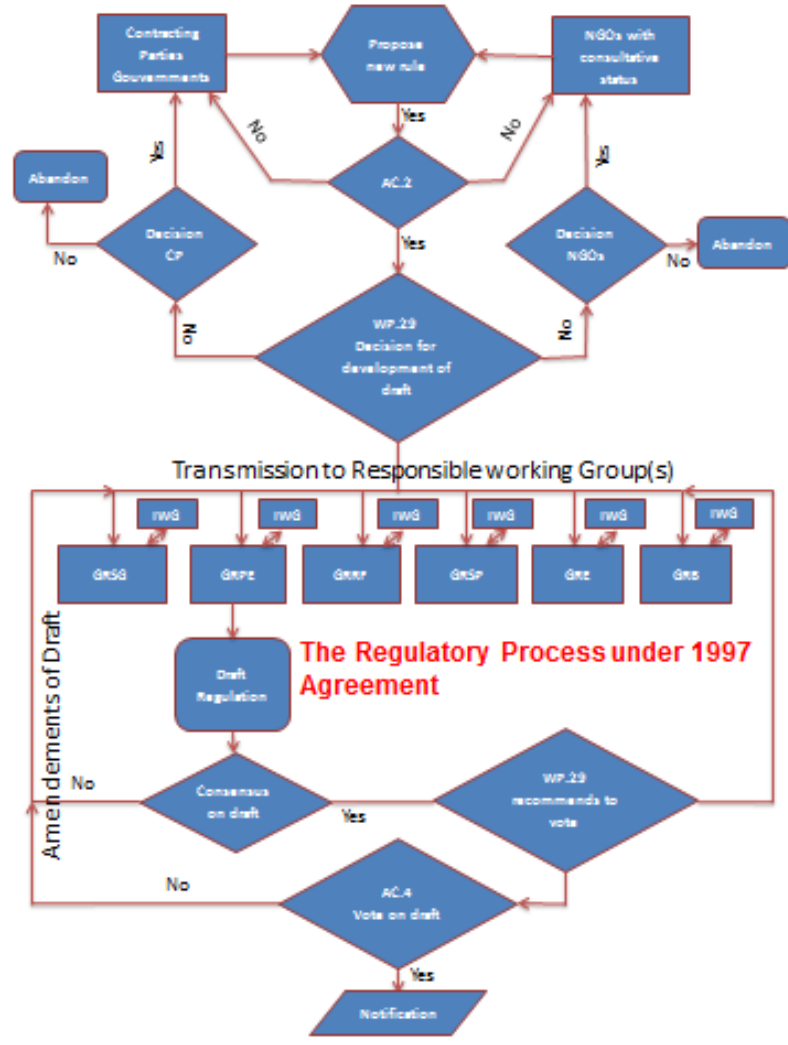


Future



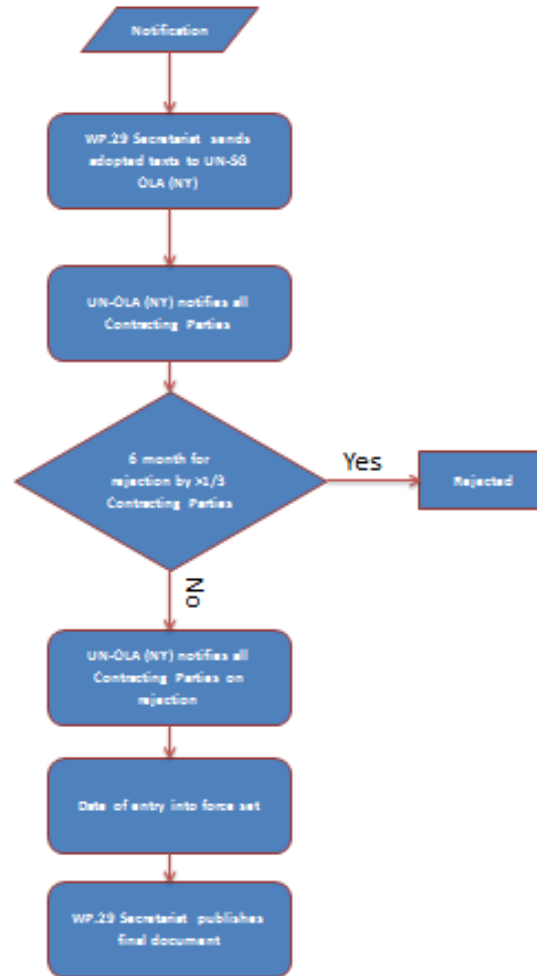
Status of the 1997 Agreement







The Notification Process under 1997 Agreement





Contracting Parties to the 1997 Agreement



Signatories, pending ratification:

Austria; Belgium; Cyprus; Czech Republic; Denmark; France; Georgia; Germany; Greece; Ireland; Italy; Portugal; Spain; Sweden; Switzerland; United Kingdom





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Meetings

- World Forum:
 - 3 Sessions per year (March, June and November; Geneva)
- Working Parties (GRs):
 - 2 Sessions per GR per year (Geneva)
- Informal Working Groups
 - As needed (no fixed location, in person or webex)





Documents

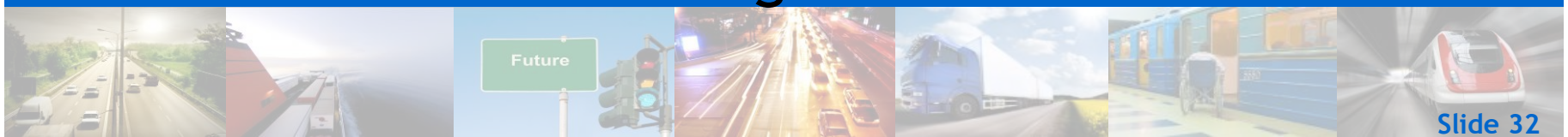
- Drafts (no format rules)
- GR documents (Document symbol, UN formatting & editing rules)
- WP.29 documents (Document symbol, UN formatting & editing rules)
- GR / WP.29 Informal Documents (Document symbol)





Documents (cont.)

- AC.3 Documents
- UNECE/TRANS Documents
 - Agendas, Reports, Resolutions, Agreements
- Final documents
 - Regulations, GTRs, Rules
 - Revision
 - Amendment / Corrigendum / Erratum





Documents (cont.)

- Amendments under 1958 Agreement
- Series of Amendments
 - Higher level of stringently / new requirements
- Supplement - vote - entry into force - Amendment
- Revision (Begin of new Series of Amendments)





Website

[Vehicle Regulations - Transport - UNECE](#)





**THANK YOU
FOR YOUR ATTENTION**



World Forum WP.29

<http://www.unece.org/trans/main/welcwp29.html>





UNECE - Transport Division

