



77th Session

INLAND TRANSPORT COMMITTEE

Latest development in vehicles regulations

Harmonization of vehicle regulations
Item 5 (b)

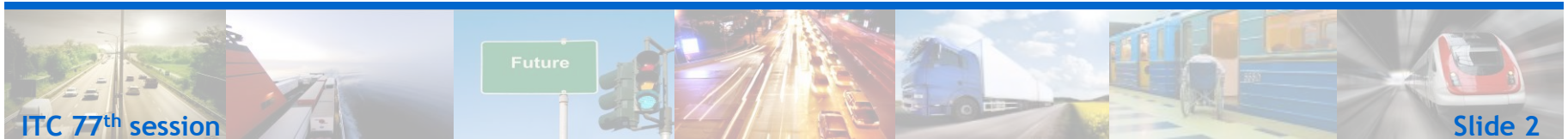




Content

- I. *Latest development in vehicle Regulations*
 - a) *New UN Regulations*
 - b) *New UN Global Technical Regulations*

- II. Current discussions
 - a) Revision 3 to the 1958 Agreement
 - b) 1997 Agreement





New UN Regulations (1958 Agreement)

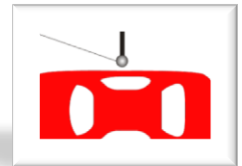
•UN Regulation on Hydrogen and Fuel Cell Vehicles (HFCV)

- Contains specific passive safety provisions for Fuel Cells
- Will facilitate the introduction of these vehicles on the market
- ➔ Adopted in November 2014 (not yet in force)



•UN Regulation on Pole Side Impact (PSI)

- Contains stringent safety performance requirements for vehicles in case of a lateral impact with a pole obstacle
- ➔ Adopted in November 2014 (not yet in force)



Note:

In 2014: ~ 70 amendments to existing UN Regulations :

- adapting the regulations to the most recent technological innovations
- increasing both the safety and environmental performance of vehicles

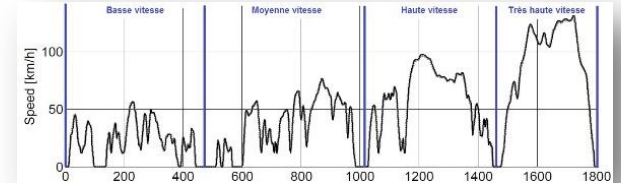




New Global Technical Regulation (1998 Agreement)

- New UN GTR on Worldwide harmonized Light vehicle Test Procedures (WLTP)

- Passenger cars and light-duty vehicles,
- Aimed at replacing the former test cycle
- ➔ Adopted in March 2014



- New UN GTR on Tyres

- Harmonized safety provisions for tyres (passenger cars and light-duty vehicles)
- ➔ Adopted in November 2014

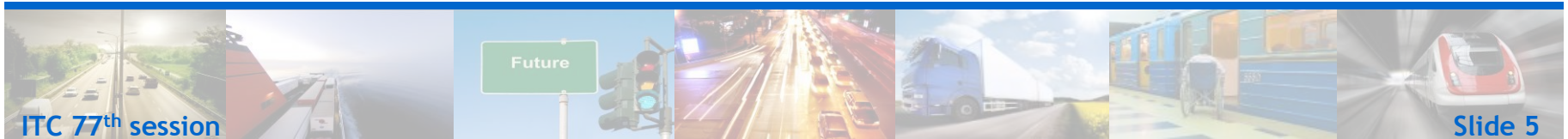




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Revision 3 to the 1958 Agreement

Objectives of draft Revision 3 to the 1958 Agreement:

- Fostering participation of new countries and REIO to WP.29
- Increase the number of CP to the 1958 Agreement (make it more attractive)
- Ensure the continued functioning and reliability of the Agreement

Main new features:

- Introduction of International Whole Vehicle Type Approval (IWVTA)
- Proxy voting was proposed, targeting potential CP far away from Geneva - *withdrawn*
- Possibility for CPs to apply former versions of UN Regulations

Current situation:

- Draft finalized
- First feedback from the capitals (e.g. on proxy vote)
- Amendment to the initial draft, taking into account feedback
- Ongoing negotiation on raising the majority rule from 2/3 to 4/5

➔ Adoption expected in 2015 (March or June)





Periodical technical inspection (PTI) - 1997 Agreement

WP.29 is reviewing since 2012 proposals to amend both UN Rules on PTI (environment & safety)

Current state of play:

- Half of the CPs (6 out of 12) are EU Member States
 - In 2014, EU revised PTI legislation by introducing additional requirements for
 - test equipment,
 - skills and training for inspectors and
 - supervision of test center
- becomes applicable in 2018.



A discussion started on how to:

- Address the situation of the six EU Member States that will have to comply with two different sets of PTI legislations
- Modernize the Agreement





ITS -Automated driving

- From In vehicle ITS to ITS and Automated Driving (IG-AD) co-chaired by Japan and UK
- ToR to be adopted in March 2015
- Keep in mind existing technologies and established Regs
- Discussion on practical application of technologies and on administrative legal and social aspects

- Two level of discussion: (also in parallel)
- Highly Automated Driving Technology
- Fully autonomous Driving Technology (Driverless)





WP.29

Vehicle Regulations and Transport Innovations

**THANK YOU
FOR YOUR ATTENTION**

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

