

## **United Nations Economic Commission for Europe Plan to implement the United Nations Decade of Action for Road Safety (2011-2020)**

### **Note by the secretariat**

#### **Introduction**

1. This document is an abstract of WP.29 activities from ECE/TRANS/2012/4, introduced at the March 2012 session of the Inland Transport Committee, in which UNECE presents its Action Plan for the UN Decade of Action for Road Safety (2011–2020). This Plan is directly aligned to the UN Global Plan for the Decade of Action for Road Safety (2011–2020), and aims to achieve UNECE's overall road safety goals by addressing priority areas of work as well as implementing continuous and future actions for each goal in its geographical area and beyond. The plan will be reviewed and updated annually to ensure progress is being made toward meeting the objectives and that performance indicators are reached.

2. Accordingly, this document contains the progress of the activities for monitoring and evaluation of WP.29 actions in the framework of the decade of actions since its launch (11 May 2011). According to the outcome of the March 2012 session of WP.29, it will be distributed updated for consideration and comments to WP.29 at its November session of each year for all the length of the decade (see ECE/TRANS/WP.29/1095 para. 97)

3. It is based on **ECE/TRANS/2015/13** endorsed during the seventy-seventh session of the Inland Transport Committee (**24-26 February 2015**) and showing the midterm results of the decade of action of the Working Parties of ITC. The modifications to the text of ECE/TRANS/2015/13 are marked in bold for new or strikethrough for deleted characters.

**United Nations overall goal for the decade (2011–2020):**

To stabilize and reduce the forecast level of road traffic fatalities around the world by 2020

**UNECE goals for the decade (2011–2020):**

To ensure the widest possible geographical coverage of United Nations road safety legal instruments;

To assist countries in the UNECE region and beyond in implementing the United Nations Decade of Action for Road Safety; and

To make progress in stabilizing and reducing road traffic fatalities in the UNECE region and beyond

Areas	UNECE past and present actions	UNECE future actions	Responsible	Time frame	Performance indicators	Progress made since March 2012
<b>OBJECTIVE 1: Boost Political Will and Support</b>						
<b>Government Strategies</b>						
Accession of United Nations Road Safety Conventions and Agreements	Monitoring the implementation of the United Nations Road Safety Conventions and Agreements:	Will develop implementation indicators for the United Nations Road Safety Conventions and Agreements.	WP.1, WP.29, SC.1, WP.15	2011–2020	Number of new Contracting Parties (CPs) to the United Nations Road Safety Conventions and Agreements and number of United Nations Regulations/United Nations Global Technical Regulations (GTRs) adopted on national basis by countries not yet CPs to any agreement.	

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	1958 Agreement concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be fitted and /or be used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions (50 CPs);					<b>Four new CPs: Egypt , Georgia, San Marino and Republic of Moldavia (total [54]. CPs).</b>
	1998 Agreement concerning the Establishing of Global Technical Regulations for Wheeled Vehicles, Equipment and Parts which can be fitted and/or be used on Wheeled Vehicles (33 CPs);					<b>Three new CPs: Slovenia, Belarus and San Marino (total 36 CPs).</b>
	1997 Agreement concerning the Adoption of Uniform Conditions for Periodical Technical Inspections of Wheeled Vehicles					<b>One new CP: San Marino (total 13 CPs).</b>

Areas	UNECE past and present actions	UNECE future actions	Responsible	Time frame	Performance indicators	Progress made since March 2012
	and the Reciprocal Recognition of Such Inspections (12 CPs);					
	Raised awareness and technical assistance for accession.	Will enhance national and regional capacity-building workshops and consultations to facilitate new accessions.	WP.1, WP.29, SC.1, WP.15	Continuous	Number of new CPs to the United Nations road safety conventions and agreements; Consistency between the United Nations road safety conventions and agreements, and the regional and national laws.	Three global/regional events to raise awareness of the above UN international conventions and to provide technical assistance for accession organized: (1) Europe-Asia Road Safety Forum in New Delhi, India, on 4 December 2013; (2) UN Road Safety Treaty Day in New York, USA, on 5 June 2014; and (3) ECE-ECA-ICAP Road Safety Workshop in Addis Ababa, Ethiopia, on 12-13 November 2014. The Secretariat attended the Road Safety Congress in St. Petersburg, Russian Federation in September 2014. ECE staff attend regularly different international road safety events.
More effective implementation of United Nations Road Safety Conventions and Agreements	Issued a report on the level of enforcement for the AETR agreement (2011).	Will enhance national and regional capacity-building workshops and consultations to promote better implementation. Will develop comprehensive implementation monitoring tools.	WP.1, WP.29, SC.1, WP.15	Continuous	Number of implementation monitoring tools for the United Nations road safety legal instruments. Application of the report to the AETR agreement.	AETR Article 12, paragraphs 1 to 4, require CPs to adopt all appropriate measures to ensure observance of the provisions of the AETR Agreement, in particular by an adequate level of roadside checks and checks performed on the premises of undertakings annually covering a large and representative proportion of drivers, undertakings and vehicles of all transport categories within the scope of the Agreement. The secretariat will undertake a survey as per article 12, para 5, in 2015. Close cooperation with the Euromed project and support of a development of a roadmap

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						on accession and implementation of the AETR agreement
Review of existing United Nations Road Safety Conventions and Agreements to identify areas for modification	Will analyze how the principles of the Safe System approach can be incorporated into the work and into the United Nations Road Safety Legal Instruments.		WP.1, WP.29, SC.1, WP.15	2012–2013	Incorporated Safe System principles to road safety work and to UN Road Safety Legal Instruments.  AGR road safety audit	An amendment proposal from Sweden aimed at including a safe system approach into the Consolidated Resolution on Road Traffic (R.E.1) is under consideration by WP.1.
<b>OBJECTIVE 2: Protect Road Users</b>						
Protecting Vulnerable Road Users	Amendment of the 1968 Convention on Road Traffic (instructions for behaviour of pedestrians) focusing on improving pedestrian safety; amending the Convention on Signs and Signals concerning behaviour at pedestrian crossings; adopted regulation on pedestrian safety in 2008; made special reference to walking through THE PEP; and amending the	Will develop guidelines for school bus operation.	WP.1	2011–2020	Publication of the guidelines; number of countries using the guidelines.	The issue of the potential development of guidelines for school bus operations was on the agenda during three WP.1 sessions (ECE/TRANS/WP.1/135, ECE/TRANS/WP.1/137, ECE/TRANS/WP.1/139), but in light of greater priorities and insufficient interest by WP.1 members, WP.1 decided not to pursue this issue (ECE/TRANS/WP.1/139).

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	consolidated resolution (RE.1).					
		Will adopt new biofidelic test tools in UN regulations to design vehicles to be more pedestrian friendly.	WP.29	2012–2013	Number of CPs applying the United Nations regulations.	A new UN Regulation No. 127 and an amendment introducing more biofidelic test tools adopted. Number of new CPs: 52 countries (apply the new UN regulation and amendment) Total number of CPs: 52.
		UN Vehicle Regulations in support of safety of children and young people <sup>1</sup>	WP.29 <sup>2</sup>			UN Regulations Nos. 107 on Buses and Coaches (kneeling buses and specific space for prams or pushchair), 16 on Safety Belts (ISOFIX systems), 44 on Child Restraint Systems (CRS) and 129 on Enhanced Child Restraint Systems (ECRS).
	Commissioned a discussion paper highlighting the benefits of the correct use of helmets and their specific construction (Regulation No. 22) for full head coverage to minimize impact in case of an accident.	Ongoing	WP. 29	2012	Number of CPs applying Regulation No. 22.	Number of new CPs: [3]. Total number of CPs: 44. <b>Publication of the UN Motorcycle Helmet Study in 2015</b>

<sup>1</sup> Added subsequent to the ITC's approval of the Plan in 2012.

<sup>2</sup> Added subsequent to the ITC's approval of the Plan in 2012.

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	<p>Paid special attention to safe mobility and elderly road users by adopting provisions in United Nations Regulation No. 16 for safety-belts load limiters to reduce risk of thorax rib fracture injury.</p> <p>Promoted safety for disabled road users.</p>		<p>WP.29</p> <p>WP.1, WP.29<sup>3</sup></p>	2011–2020	<p>Number of increased CPs applying Regulation No. 16.</p>	<p>Number of new CPs: <b>[2]</b>.</p> <p>Total number of CPs: <b>46</b>.</p> <p>UN Regulation No. 107 on Buses and Coaches (kneeling buses and priority seats for passengers with reduced mobility).</p> <p>Time permitting, WP. 1 will look into this issue.</p> <p>UN Regulation No. 107 on Buses and Coaches (kneeling buses and priority seats for passengers with reduced mobility).</p>
<b>OBJECTIVE 3: Make Vehicles Safer</b>						
	<p>Encourage member States to apply and promulgate motor vehicle safety regulations as developed by the World Forum for the Harmonization of Vehicle Regulations (WP.29) of the Inland Transport Committee.</p>	<p>Developed 137 United Nations regulations and 16 United Nations GTRs and amendments to update them in line with technical progress.</p> <p>Will develop new United Nations regulations, United Nations GTRs and amendments on vehicle safety.</p>	WP.29	2011–2020	<p>Number of CPs applying United Nations regulations.</p>	<p>Number of new CPs to the 1958 Agreement: <b>[2]</b>.</p> <p>Total number of CPs to the 1958 Agreement: <b>[54]</b>.</p> <p>Number of new CPs to the 1998 Agreement: <b>1</b>.</p> <p>Total number of CPs to the 1998 Agreement: <b>36</b>.</p>

<sup>3</sup> Added subsequent to the ITC's approval of the Plan in 2012.

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	Participation of the secretariat at the workshop on regulatory cooperation between members of the World Trade Organization (WTO) Committee for the elimination to technical barriers to trade (TBT) on 9 November 2011. Countries participating were encouraged to apply the regulations developed by WP.29 and to accede to the 1958 and 1998 Agreements.	Monitor the follow-up of the participation of the secretariat at WTO Committee for the elimination of technical barriers	WP.29	2011–2020	Number of CPs applying United Nations regulations.	Number of new CPs to the 1958 Agreement: <b>[2]</b> . Total number of CPs to the 1958 Agreement: <b>[54]</b> . Number of new CPs to the 1998 Agreement: <b>1</b> . Total number of CPs to the 1998 Agreement: <b>36</b> .
Actions from Regional Economic Integration Organizations (REIO) / CPs to replace regional legislations with United Nations Regulations/United Nations GTRs	Commission Regulation (EU) No. 407/2011 of 27 April 2011 includes 62 UN Regulations into Annex IV to Regulation (EC) No. 661/2009, concerning type-approval requirements for the general safety of motor vehicles, which lists the	Monitor the follow-up of the entry into force of the EU Regulation.	WP.29	2011–2020	Number of CPs applying United Nations regulations.	Number of new CPs to the 1958 Agreement: <b>[3]</b> . Total number of CPs to the 1958 Agreement: <b>[54]</b> . Number of new CPs to the 1998 Agreement: <b>1</b> . Total number of CPs to the 1998 Agreement: <b>36</b> . <b>Started technical cooperation with Kazakhstan through capacity building seminars. Actions also aiming at outreaching the whole Central Asian Region: held on 18/2/2016 and 15-</b>



Areas	UNECE past and present actions	UNECE future actions	Responsible	Time frame	Performance indicators	Progress made since March 2012
	United Nations regulations that apply on a compulsory basis.					<b>16/9/2016. The last one with the support of the UN Special Envoy on Road Safety</b>
Passive and Active Safety	Drafted and adopted United Nations regulations and United Nations GTRs on: child restraints systems, whiplash injury prevention, frontal/lateral/rear crash protection, safety-belts and their anchorages, protection against electric shocks in electric and hybrid vehicles.	Will draft and adopt a new United Nations regulation on child restraint systems to improve child protection.	WP.29	2012	Number of CPs applying the United Nations regulation.	A new UN Regulation on Child Restraint Systems introducing new provisions on lateral impact and anti-rotation movements adopted. <b>Supported by brochures and leaflets produced and UNECE to promote awareness at the global level (February 2016)</b> <b>53 out of [54]</b> CPs apply the United Nations Regulation.
	Regulations passed on Passive Safety (crash worthiness), Safety belts, 1970; Protective helmets, 1972; Child Restraint Systems (CRS), 1981; Frontal and lateral crash tests, 1995; Pedestrian safety, 2008; Hybrid and Electric safety, 2010.	Will amend current United Nations Regulation and United Nations GTR on head restraints to introduce new provisions to reduce whiplash injuries.	WP.29	2012	Number of CPs applying the United Nations Regulation.	Work still in progress. No changes to the number of CPs.

Areas	UNECE past and present actions	UNECE future actions	Responsible	Time frame	Performance indicators	Progress made since March 2012
		Will adopt new United Nations Regulation/United Nations GTR and amend existing ones to improve safety of electric/hybrid/hydrogen vehicles.	WP.29	2012	Number of CPs applying the new United Nations Regulation.	Amendments to UN Regulation No. 100 to cover electric vehicles of any kind adopted. <b>47</b> out of <b>[53]</b> CPs apply the United Nations Regulation. Number of new CPs: <b>[3]</b> .
			WP.29	2015	Number of CPs applying the new United Nations Regulation.	UN Regulation No. 136 to cover electric safety of Vehicles of Category L (Mopeds, motorcycles) <b>53 out of [54]</b> CPs apply the United Nations Regulation. Number of new CPs: <b>[3]</b> .
		Will develop amendments to the United Nations Regulation on frontal collision with particular attention on protecting older occupants, female occupants and also focus on optimizing vehicles' structural interaction to improve self-protection and partner protection.	WP.29	2015	Number of CPs applying the United Nations regulations.	New United Nations Regulation No. <b>[137]</b> (on frontal impact with focus on restraint systems) adopted <b>53 out of [54]</b> CPs apply the United Nations Regulation.
		Will establish new Regulations on: Child Restraint Systems, 2012; Pole side test, 2012; Hydrogen & Fuel Cell vehicles (HFCV) safety,	WP.29	2012–2015	Number of CPs applying the United Nations regulations.	A new UN GTR No. 14 on Pole Side impact adopted. 24 out of <b>36</b> CPs apply this UN GTR. UN GTR No. 13 on safety of hybrid/hydrogen vehicles adopted.

Areas	UNECE past and present actions	UNECE future actions	Responsible	Time frame	Performance indicators	Progress made since March 2012
		2012; Harmonization of dummies, 2013; Crash compatibility, 2015.				23 out of <b>36</b> CPs apply this UN GTR.  New UN Regulation on safety of hybrid/hydrogen vehicles (not in force when publishing this document) adopted.
	Adopted new UN Regulation No. 130 on Lane Departure Warning System (LDWS). <sup>4</sup>	Will continue to update the UN regulations in line with technical progress.	WP.29	2012-2020	Number of CPs applying the United Nations Regulations.	<b>53 out of [54]</b> CPs apply this United Nations Regulation.
	Adopted new UN Regulation No. 131 on Advanced Emergency Braking System (AEBS). <sup>5</sup>	Will continue to update the UN regulations in line with technical progress.	WP.29	2012-2013	Number of CPs applying the United Nations regulations.	<b>53 out of [53]</b> CPs apply this United Nations Regulation.
Vehicle Design (Develop technical provisions on the construction of vehicles and their equipment)	Drafted technical prescriptions on the burning behaviour parameters of materials used for buses and coaches.	Will apply Regulation No. 107 on Improve the fire safety level in buses and coaches.	WP.29	2 years for new buses and coaches	Number of countries applying Regulation No. 118/01.	48 out of 52 CPs apply the United Nations Regulation.  Number of new CPs: 2.
	Drafted technical prescriptions on superstructure of buses and coaches.	Will apply Regulation No. 107 ensuring accessible seats for persons of reduced mobility.	WP.29	3 to 4 years for new buses and coaches	Number of countries applying Regulation No. 107/04.	46 out of 52 CPs apply the United Nations regulation.  Number of new CPs: 2.

<sup>4</sup> Action added subsequent to ITC's approval of the Plan in 2012.

<sup>5</sup> Action added subsequent to ITC's approval of the Plan in 2012.

Areas	UNECE past and present actions	UNECE future actions	Responsible	Time frame	Performance indicators	Progress made since March 2012
	Drafted technical prescriptions on indirect vision systems (mirrors & camera monitoring) in trucks and buses.	Will apply Regulation No. 46 for camera monitor systems replacing all mirrors in vehicles.	WP.29	2 years for new vehicles	Number of countries applying Regulation No. 46/03.	Work in progress. 42 out of 52 CPs apply the United Nations Regulation. Number of new CPs: 2.
Vehicle Design (con't.)	Drafted technical prescriptions for vehicles' safety glazing materials including plastics.	Will apply Regulation No. 43 to reduced burn rate for rigid plastic panes.	WP.29	2 years for new vehicles	Number of countries applying Regulation No. 43/01.	46 out of 52 CPs apply the United Nations Regulation. Number of new CPs: 2.
Quiet Road Transport Vehicles (QRTV)	Drafted a first set of guidelines to be adopted on technical aspects of QRTV (inserted into the Consolidated Resolution on the Construction of Vehicles [R.E.3]).	Will adopt new United Nations GTR to ensure electric and hybrid vehicles audibility.	WP.29	2012–2013	Number of countries applying the United Nations GTR.	Guidelines in R.E.3 inserted. Work in progress for a new GTR. No changes to the number of CPs.
	Drafted a new Regulation on QRTV under the 1958 Agreement	Will present the draft Regulation for adoption. Following its adoption and entry into force, will apply the Regulation	WP.29		Number of countries applying the United Nations Regulation.	<b>A new UN Regulation No. 138 on quiet road transport vehicles (QRTV), provides for specific sound emissions of electric or hybrid vehicles when stationary or moving at low speeds. 53 countries started applying this Regulation as of its entry into force on 05.10.2016.</b>
Periodical Technical Inspections Convention (1997)	Adopted of a new rule on roadworthiness.	Will conduct annual capacity-building workshops.	WP.29	2012	Number of capacity-building workshops conducted.	Work in progress <b>for further amendments.</b>

Areas	UNECE past and present actions	UNECE future actions	Responsible	Time frame	Performance indicators	Progress made since March 2012
	Introduced safety regulation annex to the Agreement.		WP.29	2012–2013	Successful introduction of safety regulation annex to the Agreement.	<p>Work in progress <b>for further amendments</b></p> <p><b>Preparation for additional requirements related to test equipment, training and skills of inspectors as well as supervision of test centres.</b></p> <p><b>One new Contracting Party</b></p> <p><b>Total number of Contracting Parties: 13</b></p>
<b>OBJECTIVE 5: Make Technologies Work for Safer Mobility</b>						
Innovation – Intelligent Transport Systems (ITS)	Developed an ITS Strategy (Road Map).	Will promote ITS solutions to improve road safety	Secretariat, WP.1, SC.1, WP.5, WP.15, WP.24, WP.29	2011–2020	Published ITS Strategy Package: Background Paper, Strategic Note, Road Map. The ITS Road Map is implemented	Work underway.
	Updated existing regulations and create new ones to boost ITS solutions for road safety.	Will conduct capacity-building workshops.	WP.29	2011–2020	Number of capacity-building workshops conducted	<p>(1) Joint secretariat and International Telecommunication Union (ITU) one day workshop entitled “Intelligent transport systems in emerging markets – drivers for safe and sustainable growth”. The workshop took place in Geneva, Switzerland on 27 June 2013, and was focused on ITS in emerging markets and its impact on road safety.</p> <p>(2) Second joint secretariat and ITU event, "2014 Symposium on the future networked car". The symposium concluded that standards; cybersecurity; software reliability; information and education; legal</p>

Areas	UNECE past and present actions	UNECE future actions	Responsible	Time frame	Performance indicators	Progress made since March 2012
						<p>frameworks and liability should be addressed in a holistic manner with a wide range of actors.</p> <p>(3) Annual secretariat flagship workshop on Intelligent Transport Systems together with the Federal Public Service Mobility and Transport of Belgium in November 2014 in Brussels, “Towards a new and transportation culture: technology innovations for safe, efficient and sustainable mobility”.</p> <p>(4) Third joint secretariat and ITU event, "2015 Symposium on the future networked car". The symposium concluded that ....</p> <p>(5) Annual secretariat flagship workshop on Intelligent Transport Systems together with the French Ministry of Ecology (MEDDE) in October 2015 in Bordeaux as parallel event to the 2015 ITS World Congress, “ITS for Sustainable Mobility and the Mitigation of Climate Change”.</p> <p><b>(6) Forth joint secretariat and ITU event, "2016 Symposium on the future networked car". The symposium concluded that</b> cyber security was a safety critical issue that needed to be tackled by Regulators.</p> <p><b>(7) Annual secretariat flagship workshop on Intelligent Transport Systems together with WP.1, Informal Working Group on ITS/AD and GRRF as first joint meeting of experts from WP.1 and WP.29.</b></p>

Areas	UNECE past and present actions	UNECE future actions	Responsible	Time frame	Performance indicators	Progress made since March 2012
	Addressed issues related to Advanced Driver Assistance Systems (ADAS) through cooperation of WP.1 and WP.29.	Will conduct workshops to address issues and will make recommendations.	WP.1, WP.29	2011–2015	Amendment to 1968 Convention on Road Traffic.	Amendment proposal adopted by WP.1 at its 68 <sup>th</sup> session (March 2014) in relation to a definition of Driver Assistance Systems (ECE/TRANS/WP.1/145).