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World Forum for Harmonization of Vehicle Regulations

182nd session

Geneva, 10–12 November 2020

Annexes to the reports of the World Forum for Harmonization of Vehicle Regulations on its 182nd session

Annex I

List of informal documents (WP.29-182-...) distributed without a symbol during the 182nd session

<i>No. WP.29-182-</i>	<i>Transmitted by</i>	<i>Agenda item</i>	<i>Language</i>	<i>Title</i>	<i>Follow-up</i>
1	Secretariat	2.2.	E	WP.29, Working Parties, Informal Working Groups and Chairmanship	(d)
2	Secretariat	2.2.	E	Draft calendar of meetings for 2021	(b)
3	Secretariat	1..	E	Running order of the 182 nd session of WP.29	(d)
4	Secretariat	1.	E	Consolidated agenda	(b)
5	GRVA	3.6.4.	E	Interpretation document for UN Regulation No. [155]	(a)
6	GRVA	3.6.4.	E	Interpretation document for UN Regulation No. [156]	(a)
7	GRVA	4.5.	E	Guideline for the use of DETA by the Authorities as per UN Regulation No. [155]	(a)
8	Secretariat	1.	E	Proceedings for the 182nd session of WP.29	(d)
9	Secretariat	8.3	E	The Inland Transport Committee and the Road Safety Progress Report of the ECE Road Safety Action Plan (2011-2020)	(d)

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10	Secretariat	5.1 & 13	E	Situation on priorities and proposals to develop UN GTRs as of 5 November 2020	(d)
11	IWVTA	4.3.1	E	Proposal for amendments to ECE/TRANS/WP.29/1044/Rev.2	(b)
12	IWG on ITS	2.3.	E	Proposal for updated ITS Road Map	(b)
13	IWG on PTI	7.5	E	Proposal for amendments to ECE/TRANS/WP.29/2019/120	(b)
14	IWG on DETA	4.5.	E	Report to the 182 nd WP.29 session from the 39 th IWG on DETA meeting	(d)
15	Secretariat	2.2	E	UNECE Executive Secretary letter to permanent missions of UNECE member States	(d)
16	Secretariat	2.2	E	Mapping implementation of ITC strategy by WP.29 and GRs	(b)
17	European Commission	2.2.	E	Amendments to programme of work (ECE/TRANS/WP.29/2020/1/Rev.2)	(c)
18	European Commission	2.3.	E	Proposal for amendments to the Framework Document on Automated/autonomous Vehicles (Revision 2)	(c)
19	IWG on AEBS	3.6.4.		Proposals from the Informal Working Group on AEBS to amend UN R. No. 152	(d)
20	United States of America	1	E	Address to the UNECE World Forum for Harmonization of Vehicle Regulations (WP.29) by NHTSA Deputy Administrator James Owens	(d)
21	Secretariat	8.4	E	Adopted proposals 26 Amendments - 1 Corrigendum - 6 new Regulations; situation of their entry into force 181st session – June 2020	(d)
22	Secretariat	8.4	E	Overview of results of the WP.29/GR virtual meeting survey	(d)

Notes:

- (a) Endorsed and issue as official document for the next session.
- (b) Adopted or endorsed.
- (c) Continue or postpone consideration to the next session.
- (d) Consideration completed or to be superseded
- (e) Referred to GR(s)/IWG for consideration

Annex II

**World Forum for Harmonization of Vehicle Regulations
(WP.29):
Working Parties, Informal Working Groups and Chairs
on 11 November 2020**

	<i>Working Parties and informal working groups</i>	<i>Chair/Co-Chairs Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
WP.29	World Forum	Mr. A. Erario Mr. S. Anikeev	Italy Russian Federation	2022
	Intelligent Transport Systems (ITS)	Mr. H. Inomata Mr. I. Yarnold Ms. J. Doherty	Japan UK USA	March 2025
	Electronic Database for the Exchange of Type Approval documentation (DETA)	Mr. S. Paeslack	Germany	June 2021
	International Whole Vehicle Type Approval (IWVTA)	Mr. T. Onoda	Japan	November [2022]
	Enforcement Working Group	N.N.		2020
	Periodic Technical Inspections (PTI)	Mr. H. P. Weem Mr. V. Komarov	Netherlands Russian Federation	November [2021]
GRBP	Noise and Tyres	Mr. S. Ficheux Mr. A. Bocharov	France Russian Federation	2021
	Quiet Road Transport Vehicles (QRTV UN GTR)	Mr. H. Mohammed Mr. I. Sakamoto	USA Japan	December 2021
	Additional Sound Emission Provisions (ASEP)	Mr. B. Schuttler Mr. D. Xie Mr. K. Okamoto	Germany China Japan	January 2022
	Wet grip performance for tyres in worn state (WGWT)	Mrs. E. Collot Mr. A. Vosinis	France EC	September 2021
	Measurement Uncertainties (MU)	Mr. T. Berge	Norway	January 2022
GRE	Lighting and Light-Signalling	Mr. T. Kärkkäinen Mr. D. Rovers	Finland Netherlands	2021
	Simplification of the Lighting and Light Signalling Regulations (SLR)	Mr. D. Rovers M. A. Lazarevic	Netherlands EC	December 2022
GRPE	Pollution and Energy	Mr. A. Rijnders Mr. D. Kay	Netherlands UK	2021
	Environmental and Propulsion Performance Requirements of L-category vehicles (EPPR)	Mr. A. Perujo Mr. H. Suzuki	EC Japan	December 2025
	Electric Vehicle and Environment (EVE)	Mr. M. Olechiw Mrs. C. Chen Mr. H. Ishii	USA China Japan	June 2021
	Particle Measurement Programme (PMP)	Mr. G. Martini	EC	June 2021
	Vehicle Interior Air Quality (VIAQ)	Mr. A. Kozlov Mr. J. Lim	Russian Federation Republic of Korea	November 2025

	<i>Working Parties and informal working groups</i>	<i>Chair/Co-Chairs Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
	Worldwide harmonized Light vehicles Test Procedures (WLTP Phase 2)	Mr. R. Cuelenaere Mr. D. Kawano	Netherlands Japan	June 2020
	Global Real Driving Emissions (RDE)	Ms. P. Dilara Mr. Y. Kono Mr. J. Park	EC Japan Republic of Korea	November 2021
GRVA	Automated/Autonomous and Connected Vehicles	Mr. R Damm Ms. C. Chen Mr. T. Onoda	Germany China Japan	2021
	Functional Requirements for Automated and Autonomous Vehicles (FRAV)	Mr. E. Wondimneh ¹ Ms. C. Chen. ¹ Mr. R. Damm ¹	USA China Germany	March [2020]
	Validation Method for Automated Driving (VMAD)	Mr. T. Onoda ¹ Mr. P. Striekwold ¹ Mr. I. Sow ¹	Japan Netherlands Canada	December [2020]
	Cyber Security and Over-The-Air software updates (CS/OTA)	Mr. T. Niikuni ¹ Dr. D. Handley ¹ Ms. M. Versailles	Japan UK USA	November 2022
	Event Data Recorder / Data Storage System for Automated Driving (EDR/DSSAD)	Mr. T. Guiting ¹ Mr. T. Tokai Mrs. J. Doherty ¹	Netherlands Japan USA	November [2020]
	Advanced Emergency Braking Systems (AEBS) for M ₁ and N ₁	Mr. A. Lagrange ¹ Mr. T. Hirose ¹	EC Japan	March 2022
	AEBS for heavy vehicles	Tbd.	Germany Japan	Tbc.
GRSP	Passive Safety	Mr M. Koubek Mr H. G. Kim	USA Republic of Korea	2020
	Harmonization of Side Impact Dummies			Tbd
	UN GTR No. 9 on Pedestrian Safety Deployable – Pedestrian Protection Systems (DPPS)	Mr. J. S. Park	Republic of Korea	June 2021
	Electric Vehicle Safety (EVS) – Phase 2	Mr. M. Koubek Mr. A. Lazarevich	USA, EC and China Vice-Chair	December 2021
	Specification of the 3D-H machine	Mr. L. Martinez	Spain	Tbd
	Hydrogen and Fuel Cell Vehicles (HFCV) – Phase 2	Mr. M. Koubek Ms. Y. Sakamoto ¹	USA Japan and China and Republic of Korea Vice-Chairs	June 2022
	Protective Helmets	Mr. L. Rocco	Italy	suspended
	Safer Transport of Children in Buses and Coaches	Ms. Marta Angles	Spain	March 2023

¹ IWG Co-Chairs

	<i>Working Parties and informal working groups</i>	<i>Chair/Co-Chairs Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
GRSG	General Safety	Mr. A. Erario Mr. K. Hendershot	Italy Canada	2021
	Panoramic Sunroof Glazing (PSG)	Mr. S. Eom Mr. T. Fuhrmann	Republic of Korea Germany	April 2020
	Awareness of Vulnerable Road Users proximity (VRU-Proxi)	Mr. Y. Matsui Mr. P. Broertjes	Japan EC	April 2022
	Behaviour of M ₂ and M ₃ category vehicles' general construction in case of fire events (BMFE)	Mr. F. Herveleu	France	October 2021

World Forum for Harmonization of Vehicle Regulations: Administrative/Executive Committees and Chairs

	<i>Committees</i>	<i>Chair Vice-Chair</i>	<i>Country</i>	<i>Expiry date of the mandate</i>
AC.1	Administrative Committee of the 1958 Agreement	Mr. A. Erario Mr. S. Anikeev	Italy Russian Federation	N.a.
AC.2	Administrative Committee for the coordination of work	Mr. A. Erario	Italy	2022
AC.3	Executive Committee of the 1998 Agreement	Mr. E. Wondimneh Mr. I. Yarnold Mr. H. Inomata	USA UK Japan	N.a.
AC.4	Administrative Committee of the 1997 Agreement	Mr. B. Kisulenko	Russian Federation	N.a.

Annex III

Draft calendar of meetings of WP.29, GRs and Committees for 2021, as per 10 November 2020

Changes to be expected due to COVID-19 pandemic and/or UN financial crises

Month	Meeting (title and session No.)	Dates proposed	Schedule	Half-days	Interpretation	12 weeks deadline	Delegates
JANUARY	Working Party on General Safety Provisions (GRSG) (120 th session)	11	pm	1	Yes	19.10.2020	120
JANUARY	Working Party on Pollution and Energy (GRPE) (82 nd session)	12-15	p.m./a.m.	6	Yes	20.10.2020	150
JANUARY	Working Party on Noise and Tyres (GRBP) (73 rd session)	26-29	p.m./a.m.	6	Yes	3.11.2020	120
FEBRUARY	Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (9 th session)	1-5	p.m./a.m.	8	Yes	16.11.2020	150
MARCH	Administrative Committee for the Coordination of Work (WP.29/AC.2) (135 th session)	8	a.m./p.m.	2	No		35
MARCH	World Forum for Harmonization of Vehicle Regulations (WP.29) (183 rd); Admin. Committee of the 1958 Agreement (AC.1: 77 th session); Executive Committee of the 1998 Agreement (AC.3: 61 st session); Admin. Committee of the 1997 Agreement (AC.4: 19 th session)	9-11 (10 10-11)	a.m./p.m. (p.m. p.m./a.m.)	6	Yes	8.12.2020	160
APRIL	Working Party on General Safety Provisions (GRSG) (121 st session)	12-16	p.m./a.m.	8	Yes	18.01.2021	120
APRIL	Working Party on Lighting and Light-Signalling (GRE) (84 th session)	26-30	a.m./p.m.	8	Yes	1.02.2021	120
MAY	Working Party on Passive Safety (GRSP) (69 th session)	17-21	p.m./a.m.	8	Yes	22.02.2021	120
May/June	Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (10 th session)	tbc	tbc	tbc	Yes	tbc	150
JUNE	Working Party on Pollution and Energy (GRPE) (83 rd session)	1-4	p.m./a.m.	6	Yes	9.03.2021	150
JUNE	Administrative Committee for the Coordination of Work (WP.29/AC.2) (136 th session)	21	a.m./p.m.	2	No		35
JUNE	World Forum for Harmonization of Vehicle Regulations (WP.29) (184 th session); Admin. Committee of the 1958 Agreement (AC.1: 78 th session); Executive Committee of the 1998 Agreement (AC.3: 62 nd session); Admin. Committee of the 1997 Agreement (AC.4: 20 th session)	22-25 (23 23-24 24)	a.m./a.m. (p.m. p.m./a.m. p.m.)	7	Yes	30.03.2021	160
SEPTEMBER	Working Party on Noise and Tyres (GRBP) (74 th session)	15-17	p.m./p.m.	5	Yes	28.6.2021	120
SEPTEMBER/ OCTOBER	Working Party on Automated/Autonomous and Connected Vehicles (GRVA) (11 th session)	27-01	p.m./a.m.	8	Yes	6.07.2021	150
OCTOBER	Working Party on General Safety Provisions (GRSG) (122 nd session)	12-15	a.m./a.m.	7	Yes	20.07.2021	120
OCTOBER	Working Party on Lighting and Light-Signalling (GRE) (85 th session)	26-29	a.m./a.m.	7	Yes	3.08.2021	120
NOVEMBER	Administrative Committee for the Coordination of Work (WP.29/AC.2) (137 th session)	15	a.m./p.m.	2	No		35
NOVEMBER	World Forum for Harmonization of Vehicle Regulations (WP.29) (185 th session); Admin. Committee of the 1958 Agreement (AC.1: 79 th session); Executive Committee of the 1998 Agreement (AC.3: 63 rd session); Admin. Committee of the 1997 Agreement (AC.4: 21 st session)	16-19 (17 17-19)	a.m./a.m. a.m. p.m./a.m. p.m./a.m.	7	Yes	21.08.2021	160
DECEMBER	Working Party on Passive Safety (GRSP) (70 th session)	6-10	p.m./a.m.	8	Yes	13.09.2021	120
		TOTAL: 111 half days = 55.5 days					

Except the three sessions of the Administrative Committee (WP.29/AC.2) (without interpretation), all sessions are **PUBLIC**

The sessions scheduled "p.m./a.m." will begin in the afternoon, at 2.30 p.m. on the indicated date and are expected to last to 12.30 p.m. on the indicated date.

The sessions scheduled "p.m./p.m." will begin in the afternoon, at 2.30 p.m. on the indicated date and are expected to last to 5.30 p.m. on the indicated date.

The sessions not marked in the column "schedule" start at 9.30 a.m. on the indicated date and are expected to last to 5.30 p.m. on the indicated date.

The sessions of WP.29/AC.2 and of the World Forum (WP.29) begin at 10.00 a.m. (the first day only) and at 10.30 am on last day (Friday). During the WP.29 sessions, the Administrative Committee of the 1958 Agreement (AC.1) will hold its sessions usually on Wednesday, sessions of the Executive Committee of the 1998 Agreement (AC.3) are expected to be held on Wednesday afternoon, and sessions of the Administrative Committee of 1997 Agreement (AC.4) would be held on Wednesday immediately following the AC.1, if necessary.

Note: Geneva Motor Show has been cancelled for 2021

Annex IV

Status of the 1998 Agreement of the global registry and of the compendium of candidates*

Situation on priorities and proposals to develop UN GTRs as of 11 November 2020

GRVA

Item	Informal group (Yes–No)/ Chair & Vice- Chair		Tech. sponsor	Formal proposal (ECE/TRANS/ WP.29/...)	Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)	State of play/Comments
Amendment 1 to UN GTR No. 8 (ESC)	No		Korea	AC.3/56	GRVA/2020/34	GRVA is reviewing the proposal tabled by the expert from Korea.

GRSP

Item	Informal group (Yes–No)/ Chair & Vice-Chair		Tech. sponsor	Formal proposal (ECE/TRANS/ WP.29/...)	Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)	State of play/Comments
Phase 2 of UN GTR No. 7 (Head Restraints)	Yes/UK		Japan	AC.3/25/ Rev.1	[ECE/TRANS/180/ Add.7/Amend.1] [ECE/TRANS/180/ Add.7/App.1/ Amend.1]	AC.3 established Amend.1 to UN GTR No. 7. GRSP is expected to finalize discussion on of a draft Addendum 1 to the M.R.1 at its December 2020 session.
Amendment 3 to UN GTR No. 9			Netherlands	AC.3/31	GRSP/2012/2 (Final report) GRSP/2014/5 (final text of the Amend.)	At its July 2020 session GRSP recommended Amendment 3 (points of contact of headform impactors) to be voted at the March 2021 session of AC.3. GRSP will continue considering the issue of adjustable suspension systems at its December 2020 session.
Amendment 4 to UN GTR No. 9			Republic of Korea	AC.3/45/Rev.1 2018/162 (ToR)		AC.3 endorsed the ToR of IWG-DPPS (.../2018/162). GRSP will resume consideration on Amendment 4 to the UN GTR to provide the test procedure for deployable systems of the outer surface to ensure an adequate protection of pedestrians at its December 2020 session.
Phase 2 of UN GTR No. 13 (HFCV)			Japan, Republic of Korea and the European Union	AC.3/49 2018/75 (ToR)		The ToR of IWG were endorsed at June 2018 session of AC.3 (ECE/TRANS/WP.29/2018/75). The mandate of the IWG was extended until June 2022.

* Information on the contracting parties (38), the Global Registry and the Compendium of Candidates are in document ECE/TRANS/WP.29/1073/Rev.26.

Item	Informal group (Yes–No)/ Chair & Vice-Chair		Tech. sponsor	Formal proposal (ECE/TRANS/ WP.29).../	Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)	State of play/Comments
UN GTR No. 14 (PSI)	Yes/ Australia	Australia		AC.3/28		No new information was provided.
UN GTR No. 20 (EVS) – Phase 2	Yes/USA/ European Union/ Japan/ China	European Union/ Japan/ USA/ China		AC.3/50 & Corr.1 (authorizat ion to develop Phase 2)		GRSP started Phase 2 concerning the long-term research.

GRPE

Item	Informal group (Yes–No)/ Chair & Vice-Chair		Tech. sponsor	Formal proposal (ECE/TRANS/ WP.29/...)/	Proposal for a draft UN GTR (ECE/TRANS/WP.29/..)	State of play/Comments
Amend. 4 to UN GTR No. 2 (WMTC)	Yes/European Union (EPPR)	European Union		AC.3/36/ Rev.1 (based on 2015/113)		AC.3 adopted the Amend. 4 at its November 2019 session.
[Amend. 6] to UN GTR No. 15 (WLTP)	Yes/ Netherlands (WLTP)	European Union/ Japan		AC.3/44 (based on 2016/73)		AC.3 adopted during the November 2020 session.
[Amend. 1] to UN GTR No. 18 (OBD for L-cat)	Yes/European Union (EPPR)	European Union		AC.3/36/ Rev.1 (based on 2015/113)		AC.3 adopted during the November 2020 session.
Amend 3 to UN GTR No. 19 (WLTP EVAP)	Yes Netherlands (WLTP)	European Union/ Japan		AC.3/44 (based on 2016/73)		AC.3 adopted the Amend. 3 at its June 2020 session
UN GTR No. [XX] on the Determination of Electrified Vehicle Power (DEVF)	Yes/USA/ China/ Japan	Canada/ China/European Union/ Japan/USA		AC.3/53/ Rev.1		AC.3 adopted during the November 2020 session.
UN GTR No. [XX] on Global Real Driving Emissions (RDE)	Yes/European Union/ Japan/ Rep. of Korea	European Union/ Japan/ Rep. of Korea		AC.3/54		AC.3/51 amended by AC.3/54; UN GTR expected at AC.3 in [June 2021]
UN GTR No. [XX] on in- vehicle battery durability	Yes/USA/ China/ Japan	Canada/ China/European Union/ Japan/USA		AC.3/57		AC.3/57 adopted by AC.3 at its June 2020 session

GRBP

<i>Item</i>	<i>Informal group (Yes-No)/ Chair & Vice-Chair</i>		<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRANS/ WP.29/...)/</i>		<i>Proposal for a draft UN GTR (ECE/TRANS/WP.29/...)</i>	<i>State of play/Comments</i>
Quiet Road Transport Vehicle	Yes/USA/ Japan		European Union/Japan/ USA	AC.3/33 (Including ToR)			AC.3 expects a progress report of the IWG on QRTV

GRSG

<i>Item</i>	<i>Informal group (Yes-No)/ Chair & Vice-Chair</i>		<i>Tech. sponsor</i>	<i>Formal proposal (ECE/TRANS/ WP.29/...)/</i>		<i>Proposal for a draft UN GTR (ECE/TRANS/WP.29/...)</i>	<i>State of play/Comments</i>
Panoramic Sunroof Glazing (PSG)	Yes/Rep. of Korea/ Germany		Rep. of Korea	AC.3/41			WP.29/AC.3 extended the mandate of the IWG on PSG until April 2020. In the meantime, AC.3 established in the Global Registry Corrigendum 2 to UN GTR No. 6 (to clarify the scope).
Amendments to UN GTR No.6 (Safety Glazing)	<i>No</i>		India	AC.3/52			AC.3 endorsed the authorization (2018/167) to develop an amendment to UN GTR No. 6 on thinner laminated-glass panes for front of upper deck of double decked buses.

Subjects for exchange of views

<i>Working Party</i>	<i>Item</i>	<i>Inf. group (Yes-No)/ Chair & Vice-Chair</i>	<i>Tech. sponsor</i>	<i>Formal proposal ECE/TRANS/WP.29/...</i>	<i>State of play.</i>
GRSP	Crash compatibility	<i>No</i>	No	---	No new information was provided.
GRSP	Harmonized side impact dummies	<i>Yes</i>	USA	2010/88 (second progress report)	AC.3 was informed on the progress made in relation to the 5th percentile female dummy and noted that a redesign of the dummy might be necessary. AC.3 extended the mandate of the IWG until December 2017.
WP.29	ITS	<i>No</i>	---	---	No new information was provided to AC.3.
WP.29	New technology not yet regulated	<i>No</i>	No	---	Exchange of views on priorities for work on new technologies including automated driving functionalities, in-vehicle communications, cyber security and data protection took place under AC.2 (para. XX of the report)