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Item 2.2 of the provisional agenda

**Coordination and organization of work:
programme of work and documentation**

Programme of Work of the World Forum for Harmonization of Vehicle Regulations (WP.29) and its Subsidiary Bodies

Note by the Secretariat*

The text reproduced below was prepared by the Secretariat for consideration by the World Forum. It takes into account the results and decisions taken at 184th session (ECE/TRANS/WP.29/1159) and its 185th session (ECE/TRANS/WP.29/1161), comments from GRBP, GRVA, GRSG, GRE and GRPE, and the proposed agenda for its 186th session (ECE/TRANS/WP.29/1162) and updates also the information on the work of the six subsidiary Working Parties to WP.29.

* In accordance with the programme of work of the Inland Transport Committee for 2022 as outlined in proposed programme budget for 2022 (A/??/?? (Sect.20), para 20.??), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

Programme of Work of the World Forum for Harmonization of Vehicle Regulations and its Subsidiary Bodies

Main topics of work of the World Forum for Harmonization of Vehicle Regulations and its subsidiary bodies

The World Forum for Harmonization of Vehicle Regulations has aligned its work to the Agenda 2030 incorporating into its regulatory framework the technological innovations of vehicles to make them safer and more environmentally sound and thus contributing to the implementation of SDGs 3, 7, 9, 11 and 13.

The Inland Transport Committee (ITC), at its eighty-first annual session in 2019 adopted the ITC Strategy until 2030, invited its subsidiary bodies to take follow-up actions aligning their work with the strategy. In June 2019, the ITC Chair invited all Chairs of Working Parties or Administrative Committees to support in the implementation of the ITC Strategy by proposing a concrete plan aligning the work of their Working Party or Administrative Committee with the ITC strategy.

For the implementation of the ITC strategy ITC identified that, apart from the regular work, the subsidiary bodies need to undertake the following tasks in the Strategy (only those relevant to WP.29 are displayed):

(a) Amendments to the legal instruments with geographical and procedural barriers by 2025 (all WPs/SCs and ACs)

(b) Review of relationship of the existing legal instruments and recommendations by 2022 (all WPs/SCs and ACs to review the legal instruments in the context of different clusters, namely safety, cross-border efficiency, environment and connectivity)

(c) Identification of additional necessary legal instruments (Based on the review, all WPs/SCs and ACs to identify gaps of the legal instruments fully meet the needs for safety, cross-border efficiency, environment and connectivity)

...

(e) Exploring possible new legal instruments from 2020 (all WPs/SCs and ACs based on the above item c)

(f) Further expand global participation in, and cooperation between, WP.1 and WP.29

(g) Update DETA and host it at ECE from 2022 onwards (WP.29). This should include consideration given to broadening the current scope of DETA to address needs of 1998 Contracting Parties.

...

(j) Identify, foster and facilitate the introduction of new technologies in the rail, road, road-based mobility, inland waterway, logistics, intermodal transport until 2030 (all WPs/SCs and ACs) The deliverables for this activity should follow realistic timelines, mutually agreed by Contracting Parties.

(k) Enhance support to automated vehicles from 2019, including continuation of amendments to the existing legal instruments and standards, and possible development of new agreement(s), guidance documents, or all if necessary (WP.1 and WP.29)

(l) New training standards and competency criteria from 2022 (all WPs/SCs and ACs with legal instruments)

...

(q) New tools and activities from 2019, e.g. - THE PEP; further development of local pollutant module of ForFITS; reviews on green transport and mobility (WP. 5, WP.29)

...

In conclusion and considering ITC's special priority of global interest, Road Safety, the top priorities for the work of the World Forum for Harmonization of Vehicle Regulations are related to vehicle safety, including the field of automated vehicles paving the way for a regulatory framework supporting the introduction of these emerging technologies towards future autonomous vehicles, and to environmental protection and climate change mitigation. A detailed list of UN Regulations, UN GTRs, UN Rules and Resolutions for discussion at the upcoming sessions of WP.29 is shown in Table 1.

1. Further development and implementation of the three Vehicle Agreements

1.1. **1958 Agreement:** Following the adoption and entry into force of Revision 3 of the 1958 Agreement on 14 September 2017, the requirements for International Whole Vehicle Type Approval (IWVTA) are to be further developed within UN Regulation No. 0. and DETA to be further developed by adding the modules for Unique Identifier (UI) and Declaration of Conformance (DoC).

1.2. **1997 Agreement:** Amendments to the agreement entered into force on 13 November 2019 introducing elements related to the performance and quality of periodic technical inspections. These endeavors were underpinned by resolution R.E.6 covering skills and training for inspectors, requirements for testing equipment and supervision of test centres. Two additional rules were established covering vehicles with gaseous fuels and electric or Hybrid electric propulsion systems. Access to information necessary for performance of periodic technical inspection of modern vehicles and their electronic controlled safety components needs to be addressed.

1.3. **1998 Agreement:** Following the establishment of Special resolution S.R.3, the implementation of the agreement will be followed with a more strategic approach by identifying key elements that define elements the work will focus on.

2. Horizontal activities

2.1. Performance requirements outside test conditions (ECE/TRANS/WP.29/1126, para. 21) and whole life compliance are elements to be considered in all areas of work both in WP.29 and in all GRs.

3. Main topics of the Subsidiary Bodies

3.1. At the 184th and 185th session of WP.29, all GRs were invited to perform a review of their activities and to update their top priorities of their work. The outcome of this review provided the basis for the establishment of the Programme of Work of the World Forum for Harmonization of Vehicle Regulations (WP.29) and its Subsidiary Bodies for the year 2022 and beyond (ECE/TRANS/WP.29/1159, paras. 34 and 35). There was common agreement that in addition to the work on top priorities, existing UN Regulations, UN GTRs and UN Rules would need to be updated for keeping pace with technical progress on a continuous basis. GRs identified the following main priorities of work for 2020:

3.1.1. GRBP main topics are the work on real driving Additional Sound Emission provision (ASEP), for Quiet Road Transport Vehicles (QRTV), Reverse Warning System (RWS), Measurement Uncertainties, as well as Wet Grip of Worn Tyres (WGWT). Further activities are relating to new traction tyre definition, TPMS and vehicle type definition for sound measurements

A detailed list of priority activities of GRBP is presented in Table 2.

3.1.2. GRE is continuing the work on simplification of the lighting regulations following the establishment of the UN Regulations Nos. 148,149 and 150 as well as Resolution R.E.5 on the common specification of light source categories. Once the first stage of simplification is finalized, in the second stage, GRE will focus on introducing technology neutral requirements, also taking into account work to avoid glare and to ensure good visibility for dipped beam headlamps. Also, a suitable application of Unique Identifier for lighting regulations is being considered. Installation requirements will be updated by new Series of Amendments for Regulation No. 48 EMC issues will be addressed, not only specifically for certain vehicles

and functionalities (e.g. for electrical vehicles) but also generally for adaptation to technical progress (e.g. consideration of enlarging frequency test-range, assistance systems)..

A detailed list of priority activities of GRE is presented in Table 3.

3.1.3. GRPE main area of work is related to improvement of exhaust emissions requirements to ensure real drive performance on the road, new propulsion energy including in-vehicle battery durability or hydrogen systems as well as particulate emissions: Provisions to limit airborne particulates from different sources e.g. sub-23 nm exhaust particles and particulates stemming from brake emissions and/or tyre wear.

A detailed list of priority activities of GRPE is presented in Table 4.

3.1.4. GRVA is establishing further elements for the UN vehicle regulatory framework towards automated driving. This includes Functional Requirements for automated / autonomous vehicles, New assessment / Test methods, Cyber security and (Over-the-Air) Software updates and Data Storage System for Automated Driving vehicles (DSSAD). GRVA will further elaborate requirements for Advanced Driver Assistance Systems (ADAS) based on the UN Regulation No.79, Automated Driving Systems extending UN Regulation No.157, Automated Emergency Braking Systems (AEBS) based on UN Regulation No.131 and Automated Lane Keeping Systems based on UN Regulation No. 157.

A detailed list of priority activities of GRVA is presented in Table 5.

3.1.5. GRSG work will focus on common performance requirements for EDR suitable for both 1958 and 1998 Agreements, EDR for ADAS equipped vehicles and for Heavy Duty Vehicles (HDV), on driver's field of vision assistant systems, close proximity for driver's awareness, and improved direct visibility by drivers of HDVs.

A detailed list of activities of GRSG is presented in Table 6.

3.1.6. GRSP focuses its work on crashworthiness. Current priorities are electric vehicle safety, pedestrian safety and child safety. Further work priorities are hydrogen and fuel cell vehicles and helmets as well as update of UN crash regulations following revised EU General Safety Regulation and head restraints.

A detailed list of priority activities of GRSP is presented in Table 7.

Table 1
Subjects under consideration by the World Forum (WP.29) at its 184th session

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
1.0. Automated/Autonomous Driving		
1.0.1. Framework document on automated/autonomous vehicles.		
1.0.2. Functional Requirements for automated / autonomous vehicles		
1.0.3. New assessment / Test method		
1.0.4. Cyber security and (Over-the-Air) Software updates		
1.0.5. Event Data Recorder (EDR)		
1.0.6. Data Storage System for Automated Driving vehicles (DSSAD)		
1.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda (11??)
1.1.1. Proposal for amendments to UN Regulations to be considered at the June 2021 session		
UN Regulation No.:		
95 (Lateral collision)		
129 (Enhanced Child Restraint Systems)		
137 (Frontal impact with focus on restraint systems)		
134 (Hydrogen and Fuel Cell Vehicles (HFCV))		
49 (Emissions of compression ignition and positive ignition (LPG and CNG) engines)		
24 (Visible pollutants, measurement of power of C.I. engines (Diesel smoke))		
83 (Emissions of M ₁ and N ₁ vehicles)		
101 (CO ₂ emission/fuel consumption)		
79 (Steering equipment)		
13-H (Braking for M ₁ and N ₁)		
157 (Automated Lane Keeping System (ALKS))		
30 (Tyres for passenger cars and their trailers)		
41 (Noise emissions of motorcycles)		
124 (Replacement wheels for passenger cars)		
1.1.2. Proposal for new UN Regulations to be considered at the June 2020 session		
Nil		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
1.1.3. Status of the Agreement and of the annexed UN Regulations, including the latest situation report	343/Rev.29	
1.1.4. Development of an International Whole Vehicle Type Approval (IWVTA) system,		
1.1.5. Consideration of amendments to the 1958 Agreement.		
1.1.6. Development of an electronic database for the exchange of type approval documentation (DETA)		
1.2. 1998 Agreement (Global)		For document symbols and its availability, please refer to the agenda (11??)
1.2.1. Consideration of draft UN GTRs and amendments to them to be considered at the November 2020 session UN GTR No. 4 (WHDC)		
1.2.2. Consideration of Mutual Resolutions Nil		
1.2.3. Guidance for the development of UN GTRs: Nil		
1.2.4. Progress on the development of new UN GTRs and of amendments to established UN GTRs		
1.2.5. Progress on the development of new UN GTRs and of amendments to established UN GTRs		
1 (Doors locks and door retention components)		
2 (Worldwide Motorcycle emission Test Cycle (WMTC))		
3 (Motorcycle braking)		
4 (Worldwide Heavy-Duty vehicle emission test Cycle (WHDC))		
5 (On-Board Diagnostic Systems (OBD))		
6 (Safety glazing)		
7 (Head restraints)		
8 (Electronic stability control systems (ESC))		
9 (Pedestrian safety).		
10 (Off-cycle emissions (OCE))		
11 (Agricultural and forestry tractors and non-road mobile machinery emission test procedures)		
12 (Motorcycle Controls, Tell-tales and Indicators)		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
13 (Hydrogen and Fuel Cell Vehicles (HFCV) – Phase 2)		
14 (Pole Side Impact (PSI))		
15 (Worldwide harmonized Light vehicle Test Procedures (WLTP) – Phase 2)		
16 (Tyres)		
17 (Crankcase and evaporative emissions for two- or three-wheeled motor vehicles)		
18 (On-board diagnostics for two- or three-wheeled motor vehicles)		
19 (EVAPorative emission test procedure for the Worldwide harmonized Light vehicle Test Procedure (WLTP EVAP))		
20 (Electric Vehicles Safety (EVS))		
21 (determination of electrified vehicle power (Electric vehicles and the environment))		
Draft UN GTR on Quiet Road Transport Vehicles (QRTV)		
Draft UN GTR on Global Real Driving Emissions (GRDE)		
1.2.6. Exchange of views on items for new UN Global Technical Regulations		
Harmonization of side impact		
Specifications for the 3-D H point machine		
Event Data Recorder (EDR)		
1.3. 1997 Agreement (Inspections)		For document symbols and its availability, please refer to the agenda (11??)
1.3.1. Future development of the Agreement		
1.3.2. Consideration of new UN Rules		Nil
1.3.3. Update of existing UN Rules		Nil
1.3.4. Amendments to Resolution R.E.6		Nil

"Table 2

Subjects under consideration by the Working Party on Noise and Tyres (GRBP)GRBP Priorities based on WP 29 ECE/TRANS/WP.29/1159, annex VI., GRBP 74-38 and special GRBP meeting on priorities held on the 6th of October 2021.

GRBP							
N°	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Chair/Initiator	Comments
1	Real Driving Additional sound emission Provisions (ASEP)	Real driving sound emissions and the extended work of IWG ASEP such as manipulation-safe active components and software, anti-tampering, ASEP NORESS	UN-R51, R41	IWG ASEP	<ul style="list-style-type: none"> • <u>GRBP-74 (Sept.2021):</u> Informal Doc. for amendments to UN-R51-04 • <u>GRBP-75 (Feb.2022):</u> Working Doc. UN-R51-04 (M₁, N₁ vehicles) • <u>GRBP [2023/2024]:</u> UN-R41 2nd step • <u>GRBP [2023/2024]:</u> UN-R59 & R92 	Chair: Germany Secretariat: OICA	M ₁ , N ₁ L ₃ and their NORESS To be extended to other regulations
2	Wet Grip on Worn Tyres (WGWT)	Additional prescriptions regarding performances on Wet Grip of Worn Tyres to be added in UN-R117.	UN-R117	IWG WGWT	<ul style="list-style-type: none"> • <u>GRBP-74 (Sept.2021):</u> Working Doc. for amendments to UN-R117 on C1 tyres • <u>GRBP-76 (Sept.2022):</u> Working or informal Doc. for amendments to UN-R117 on C2, C3 tyres • <u>GRBP-76 (Sept.2022):</u> Working Doc. for Suppl. 1 to R117 03 series on C1 tyres (molded worn tyres) 	Co-Chairs: France & European Commission Secretariat: ETRTO	Through a new Series of amendment. For reminder, work on worn tyres linked to EU GSR2 (Reg. (EU) 2019/2144).
3	Measurement Uncertainties	Assessment of measurement uncertainties and track alignment	UN-R51 UN-R117 UN-R41 UN R 138	IWG-MU	<ul style="list-style-type: none"> • <u>GRBP-74 (Sept.2021):</u> <ul style="list-style-type: none"> ▪ Working Doc. for UN R 51 as Suppl.7 ▪ Informal Doc. containing general Guidelines • <u>GRBP-75 (Feb.2022):</u> <ul style="list-style-type: none"> ▪ Working Doc. for UN-R51 as Suppl.8 	Chair: Norway Secretariat: OICA:	R 51: Noise R117: Noise Other regulations: Deadline to be defined

GRBP							
N°	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Chair/Initiator	Comments
					<ul style="list-style-type: none"> ▪ Informal Doc. for amendments to UN-R117 ▪ Working doc containing general Guidelines • GRBP-76 (Sept. 2022): Working Doc. for UN-R117 (Tyre Noise step 1) 		For tyres, WG & RR to be considered in a Step 2
4	Reverse Warning Sound (RWS)	Harmonization of Reverse Warning Sound requirements (Components and vehicles) with the aim of lower sound emissions on a high safety level	New Regulation	TF-RWS	<ul style="list-style-type: none"> • GRBP-74 (Sept.2021): informal Doc. • GRBP-75 (Feb.2022): working Doc. 	Chair: Japan Secretariat: OICA	M2>3,5tons, N2, M3, N3 MOIS, Reversing Safety, Camera Monitor systems as an alternative to RWS
Other priorities 2022							
5	Vehicles' Sound	Technical review	UN-R51, R9, R28, R41, R59, R63, R92, R117, R138, Future UN Reg. RWS	TF-VS	To be discussed in TF-VS	Chair: France Secretariat: OICA	M, N, L TF-SL (Sound Limits) renamed TF-VS (Vehicles Sound).
6	Revision of the existing traction tyre definition	Introduction of a revised traction tyre definition for C2 and C3 tyres	UN-R117	GRBP	GRBP-76 (Sept.2022): Working Doc.	ETRTO	C2, C3 See previous Informal document GRBP-70-19. Impact on UN-R51 to be checked (deadline tbd. for such impact).
7	New radial tyre definition	Proposal to introduce new Radial Tyre definition	UN-R30	GRBP	WP29 (Nov.2022)	Proposal by France & EC at GRBP-72	Ensure consistency between UN Regs and UN GTRs under 1958 and 1998 Agreements respectively

GRBP							
N°	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Chair/Initiator	Comments
							to avoid mismatch in definitions (e.g. UN-R30 vs. US-standard). US & Canada are assessing impact → to be followed at next GRBP (Feb. / Sept..2022 tbc)
8	New ice tyre definition	ERTRO Proposal to introduce in UN Regulation No.117 an Ice tyre definition for tyres of C1 class.	Amendment to UN-R117	GRBP	Adopted at GRBP-74 (Sept.2021) for R117. WP.29 March 2022	ERTRO	Ensure consistency between UN Regs and UN GTRs under 1958 and 1998 Agreements respectively. (Under consideration for GTR).
New priorities							
9	Measurement Uncertainties	Application to other regulations than UN-R51 and R117	UN-R41, R59, R63, R92, R138, R28 R30, R54, R117, etc.	IWG MU - To continue to work under this group	<ul style="list-style-type: none"> • GRBP-77 (Jan.Feb.2023): Working Doc. • WP 29 June or November 2023 	Chair : Norway Secretariat : OICA	Other regulations: Deadline to be defined Create priority list of UN Regs and not only limited to sound emission issues. Proposal to cluster the regulations per subject UN R138 and Draft WGWT test procedure.

GRBP							
N°	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Chair/Initiator	Comments
10	Revision of UN-R138 -AVAS	Ensure compatibility/ consistency between UN R138 and Draft UN R51.04 RD-ASEP Define clear AVAS operation range. Ramp-up max. sound level curve under any driving condition to establish a handshake between UN R138 maximum sound and RD-ASEP of UN-R51. Review of UN-R138 for AVAS (technical, language, consistency, interpretation ...)	UN-R138 Draft UN-R51-04	New IWG, or existing IWG AVAS to be reactivated. Work shared with IWG MU & IWG RD-ASEP	<ul style="list-style-type: none"> • <u>GRBP-76 (Sept.2022)</u>: Informal Doc. • <u>GRBP-77 (Jan.Feb.2023)</u>: Working Doc. 	Chair: Secretary See IWG RD-ASEP & MU	To be considered: - In a 2 nd step L cat. - Non-sound emission devices as new safety features, replacing AVAS. -US FMVSS 141 & UN-R138 AVAS. Review sound specifications & test conditions. ISO 16254 Technical results expected
11	Interaction UN-R51 & UN-R117	Influence of tyres --> revision of UN-R117 vs. urban speeds to ensure tyres approved within the speed range which is aligned for both UN-R51 and UN-R117. Interactions between UN-R51 and UN-R117 to be achieved/improved by a step-by-step approach.	UN-R117 UN-R51	GRBP	Informal Doc. for GRBP in 2022		With increased market penetration of EVs and according to the current forecast (especially due to the increase of the vehicle's weight with suitable tyres), to be considered in the future
12	Special Purpose Vehicle	Adaptation of the prescriptions of measurement procedure for Special Purpose Vehicles, (SPV) like mobile cranes etc at UNECE level	UN-R51 RE.3	GRBP	<ul style="list-style-type: none"> • <u>GRBP-75 (Feb.2022)</u>: General presentation • To be worked at the ISO level: Work to start in March-April 2022. • For a proposal to be presented at GRBP Sept.2024 at the latest. 	../ OICA, EC	SPV like mobile cranes etc are not covered by UNECE, only inside EU Framework Regulation 2018/858. Deadline on EU side currently scheduled in 07/2027. Impact at least on noise limit values.

GRBP							
N°	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Chair/Initiator	Comments
13	Reference test track	Influence of surfaces on real sound emissions of the vehicles vs. ISO test track	All regulations concerned by	GRBP		... / Germany Secr : OICA	GRBP should take into account the test surfaces even if GRBP is not directly in charge of them and see how to manage these road surfaces. Other parties should be involved in this topic as EC DG/ENV.
14	Tyre Abrasion Test method development	Microplastics from tyres, including: Method for rating tyres based on their abrasion performance. enabling the quantification of microplastic emissions from tyres. investigating correlation between abrasion rate and durability of tyres.	Current regulation or new regulation	Task Force or/and IWG to be initiated in 2022	Expected by 2023	Chair: ... Secretariat: ETRTO	C1 Taken into account through (EU) 2020/740 Regulation. Introduction in current UN regulations and/or new regulation under GRBP?
15	Wet grip new tyres C1	New limits	UN-R117	GRBP	<ul style="list-style-type: none"> • <u>GRBP-75 (Feb.2022)</u>: Informal Doc. • <u>GRBP-76 (Sept.2022)</u>: Working Doc. • <u>WP29 March 2023</u>: Working Doc. <ul style="list-style-type: none"> ○ EIF Oct 2023 	ETRTO	Both safety & env. will have to be considered. Cross-check between all tyre performances aiming to achieve the optimal values of tyre performance regulated parameters
16	New rolling resistance limits	Impact of tyres on exhaust emissions of vehicles and overall vehicle energy efficiency and CO2 targets	UN-R117	GRBP	<ul style="list-style-type: none"> • <u>GRBP-75 (Feb.2022)</u>: Informal Doc • <u>GRBP-76 (Sept.2022)</u>: Working Doc. • <u>WP29 (March 2023)</u>: Working Doc <ul style="list-style-type: none"> ○ EIF Oct 2023 		C1, C2, C3 new tyres Linked to GRPE (low rolling resistance vs. WLTP). Cross-check between all tyre performances aiming to achieve the optimal values of tyre performance regulated parameters

GRBP							
N°	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Chair/Initiator	Comments
17	Expand the scope of UN-R28 for new functions	Review UN-R28 and cross-references to other UN Regulations, provide definitions and specifications (if needed); review Communication Form; check for application of UI	UN-R28, UN-R97, UN-R138, UN-R1xx (RWS), EU-NCAP Roadmap 2025	GRBP IWG or TF	GRBP-76 (Sept.2022) or 77 (Jan.Feb.2023); Working Doc.	Chair: ... Secretary: OICA	Need for a group to be discussed during GRBP-75. EU-NCAP with plan for 'child presence' inside the car. Sound outside of the vehicles.
18	Review Sound specification of other UN Regulations. Doc. for reference regarding interior sound specification of various UN Regulations (UN-R158, ...)	Interior Sound Specifications for sonar systems according UN-R158	UN-R158, UN-R13H, UN-R16 UN-R48, UN-R79 UN-R100, UN-R131 UN-R152, Other?	GRBP IWG or TF	GRBP-76 (Sept.2022) or 77 (Jan.Feb.2023); Report	Chair: ... Secretary: OICA	Need for a group, to be discussed during GRBP-75
		Prepare uniform consideration, when interior sound shall be mandated by a UN Regulation for safety purposes	UN-R158, 121, 116	t.b.d.	2024 tbc.	OICA	General provisions for acoustic tell-tales
19	Type definition	Consideration on tolerances for type defining parameters and selection scheme for a representative vehicle.	UN-R51, R41	?	?	?	

Subjects under consideration by the Working Party on Noise and Tyres (GRBP) at its 74th session

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
2.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda of the seventy-fourth session (GRBP/2022/?)
2.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
Part 1 – Noise:		
[41 (Noise of motorcycles);		
51 (Vehicles noise emissions)]		
Part 2 – Tyres:		
[30 (Tyres for passenger cars and their trailers);		
54 (Tyres for commercial vehicles and their trailers)		
75 (Tyres for L-category vehicles)		
106 (Tyres for agricultural vehicles and their trailers)		
117 (Tyre rolling resistance, rolling noise and wet grip);		
124 (Replacement wheels for passenger cars);		
141 (Tyre pressure monitoring system);		
142 (Tyre installation)]		
2.1.2. Proposal for draft new UN Regulations (1958 Agreement):		
[Draft UN Regulation on studded tyres.]		
2.2. 1998 Agreement (Global)		For document symbols and its availability, please refer to the agenda of the seventy-fourth session (GRBP/2022/?)
16 (Tyres), if needed.		

Table 3
Subjects under consideration by the Working Party on Lighting and Light-Signalling (GRE)

<i>GRE</i>							
<i>Priority</i>	<i>Title</i>	<i>Tasks / Deliverables</i>	<i>References</i>	<i>Allocations / IWGs</i>	<i>Timeline</i>	<i>Initiator</i>	<i>Comments</i>
Priority	Simplification Stage 2	Simplify and update the technical requirements of the new Regulations Nos. 148, 149 and 150, as well as the installation Regulations Nos. 48, 53, 74, 86 to become future proof and technology neutral, with performance-based and objective test requirements	New simplified UN Regulations Nos. 148, 149 and 150 and amendments to UN Regulations Nos. 48, 53, 74, 86	GRE, IWG-SLR	2022–2024	IWG SLR (GRE)	Ongoing
Priority	Installation New Series of Amendments for Regulation No. 48	Clarifications, particularly with regard to the inclusion of the ‘park condition’ and usage of certain lamps for additional signals (e.g. welcoming lights)	UN Regulation No. 48 GRE-84-29, GRE-84-30, GRE-84-34	GRE, SIG-R.48-09	2022–2023	Japan, supported by various CP’s	Started
Priority	EMC issues (e.g. for electrical vehicles)	Further development of EMC requirements, updating existing requirements and introduction of new provisions for adaptation to technical progress	UN Regulation No. 10	GRE, TF-EMC	2022–2023		Ongoing
Recurrent	Light sources	Development of replaceable LED light sources (substitutes and replacement light sources for filament lamps)	UN Regulation Nos. 37, 99 and 128 and Resolution R.E.5	GRE			Ongoing
Recurrent	Adaptation to technical progress of lighting and light-signalling Regulations	e.g. road light projections	ECE/TRANS/WP.29/GRE/2021/18	GRE			Continuous process
Potential priority	Global harmonization	Development of globally standardized signalling for automated/autonomous vehicles (AV’s)		TF-AVSR in cooperation			Start of the work needs decision of

				with GRVA (FRAV)			GRVA and WP.29
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Subjects under consideration by the Working Party on Lighting and Light-Signalling (GRE) at its 85th session

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
3.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda of the eighty-fifth session (GRE/2022/?)
3.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
10 (Electromagnetic compatibility)		
37 (Filament lamps);		
48 (Installation of lighting and light-signalling devices);		
53 (Installation of lighting and light-signalling devices for L ₃ vehicles);		
74 (Installation of lighting and light-signalling devices for mopeds);		
86 (Installation of lighting and light-signalling devices for agricultural vehicles);		
99 (Gas discharge light sources);		
128 (Light emitting diodes light sources);		
148 (Light-signalling devices);		
149 (Road illumination devices);		
150 (Retro-reflective devices);		
R.E.5 (Consolidated Resolution on the common specification of light source categories).		
3.1.2. Proposal for draft new UN Regulations:		
Nil		
3.2. 1998 Agreement (Global)		
Possibility to develop further UN GTRs		
3.3. 1997 Agreement (Inspections)		
Nil		
3.4. Proposal for draft recommendations or amendments to existing recommendations		
3.5. Miscellaneous items		For document symbols and its availability, please refer to the agenda of the eighty-fifth session (GRE/2022/?)
Amendments to the Convention on Road Traffic (Vienna 1968)		
Development of an international whole vehicle type approval (IWVTA)		
Decade of action for road safety 2011–2020;		
Obsolete transitional provisions		
Direction for future GRE work		

Table 4
Subjects under consideration by the Working Party on Pollution and Energy (GRPE)

GRPE						
Priority	Justification/Background information	References	Allocations /IWGs/TFs	Timeline	Chair /sponsor(s)	Comments
Improvement of exhaust emissions requirements to ensure real drive performance on the road	Revise technical requirements to allow technological progress, ensure technological neutrality by introducing consistent and long-lasting performance-based emissions measures, at type approval, in use and potentially over the lifetime of the vehicle.	UNR on RDE	IWG on RDE	June 2020	EC-JP-KR	Adopted in GRPE June 2020
		UN GTR on RDE	IWG on RDE	June 2023 (Phase 2)	EC-JP-KR	Directly to Phase 2
		08 Series to UN Regulation No. 83	GRPE	June 2022	EC	
[Life Cycle Assessment	Quantify and monitor progress towards Carbon neutrality of road transport by 2050. Internationally-harmonized procedure to measure carbon footprint of different technologies for fuels and vehicles from production to use and disposal.	tbd	IWG on LCA	2023-2025	tbd	to be discussed and further explored during the next sessions of GRPE]
New propulsion energy	Develop technical regulation to ensure environmentally-friendly and level-playing market introduction of new form of propulsion energy, such as hydrogen and electricity.	New amendment to UN GTR No. 21 on DEVP	IWG on EVE	June 2023	US-CAN	Update candidate method if needed
		UN GTR on in Vehicle Battery durability	IWG on EVE	June 2021	US-CAN, China, EC, Japan	Light duty passenger vehicles; Adopted in GRPE November 2021
		New amendment to UN GTR on in Vehicle Battery durability	IWG on EVE	January 2024	US-CAN, China, EC, Japan	Other vehicle categories and other subsequent steps
		Heavy Duty Hybrids	GRPE	[2023]	[tbd]	
Particulate emissions:	Sub-23 nm exhaust particles for light- and heavy-duty applications, in the laboratory and on the road	New UN resolution on HD lab test	IWG on PMP	Jan 2022	EC	still on-going for PEMS-PN

Provisions to limit airborne particulates from different sources	Brake emissions	New UN GTR	IWG on PMP	January 2023	EC	
	Tyre wear emissions	tbd	IWG on PMP / GRPE	[June 2023]	[EC]	

Subjects under consideration by the Working Party on Pollution and Energy (GRPE) at its 83rd session

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
4.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda of the eighty-third session (GRPE/2022/?)
4.1.1 Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
24 (Visible pollutants, measurement of power of C.I. engines (Diesel smoke));		
40 (Emission of gaseous pollutants by motorcycles);		
47 (Emission of gaseous pollutants of mopeds)		
49 (Emissions of compression ignition and positive ignition (LPG and CNG) engines);		
68 (Measurement of the maximum speed, including electric vehicles);		
83 (Emissions of M ₁ and N ₁ vehicles);		
85 (Measurement of the net power);		
96 (Diesel emission (agricultural tractors));		
101 (CO ₂ emissions/fuel consumption)		
103 (Replacement pollution control devices);		
115 (LPG and CNG retrofit systems);		
120 (Net power of tractors and non-road mobile machinery);		
132 (Retrofit Emissions Control devices (REC));		
133 (Recyclability of motor vehicles);		
143 (Heavy duty dual-fuel engine retrofit systems)		
154 Worldwide harmonized Light vehicles Test Procedure (WLTP Regulation)		
4.1.2. Proposal for draft new UN Regulations		
Nil		
4.2. 1998 Agreement (Global)		For document symbols and its availability, please refer to the agenda of the eighty-third session (GRPE/2022/?)
2 (Worldwide motorcycle emissions test cycle (WMTC));		
4 (Worldwide harmonized Heavy-Duty Certification Procedure (WHDC));		
5 (Worldwide harmonized Heavy duty on-board diagnostic systems (WWH-OBD));		
10 (Off-Cycle Emissions (OCE));		
11 (Non-road mobile machinery engines);		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
15 (Worldwide harmonized Light Vehicle Test Procedure (WLTP));		
17 (Crankcase and evaporative emissions of L-category vehicles);		
18 (On-Board Diagnostic (OBD) systems for L-category vehicles)		
19 (Evaporative emission test procedure for the Worldwide harmonized Light vehicle Test Procedure (WLTP EVAP));		
21 (Determination of Electrified Vehicle Power (DEVP))		
4.2.1. Proposal for developing new UN Global Technical Regulations Vehicles Interior Air Quality (VIAQ)		
4.3. 1997 Agreement (Inspections) Nil		
4.4. Proposal for draft recommendations or amendments to existing recommendations Nil		
4.5. Miscellaneous items		For document symbols and its availability, please refer to the agenda of the eighty-third session (GRPE/2022/?)
World-wide harmonized Light vehicles Test Procedure (WLTP)		
Heavy Duty Hybrids (HDH)		
Particle Measurement Programme (PMP)		
Gaseous Fuelled Vehicles (GFV)		
Environmental and Propulsion Performance Requirements (EPPR) for L-category vehicles		
Electric Vehicles and the Environment (EVE)		
Vehicle Propulsion System Definitions (VPSD)		
Fuel Quality (FQ)		
International Whole Vehicle Type Approval (IWVTA)		
Exchange of information on national and international requirements on emissions		
Vehicles Interior Air Quality (VIAQ)		
Global Real Driving Emissions (RDE)		

Table 5

Subjects under consideration by the Working Party on Automated / Autonomous and Connected Vehicles (GRVA)

GRVA						
<i>Title</i>	<i>Tasks / Deliverables</i>	<i>References</i>	<i>Allocations / IWGs</i>	<i>Timeline</i>	<i>Initiator</i>	<i>Comments</i>
Functional Requirements for Automated Vehicles	<p>Identification and definition of high-level performance requirements for ADS</p> <p>High-level definition of safety of ADS and mandatory manufacturer description of ADS.</p> <p>Draft initial WP.29 guidelines for ADS safety requirements based on "current activities" including the requirements on motorway use case.</p> <p>Proposal for WP.29 guidelines on ADS safety requirements</p>	<p>Framework document for automated/autonomous vehicles ECE/TRANS/WP.29/2019/34 as revised</p>	GRVA, IWG on FRAV	<p>March 2021</p> <p>November 2021 (information) / March 2022 (endorsement)</p> <p>March 2022 (information)/ June 2022 (endorsement)</p>	WP.29	Ongoing
New Assessment/Test Method	<p>Description of New assessment /Test method (NATM) process/procedures for the assessment of an ADS</p> <p>Second iteration of NATM addressing the "outstanding issues" identified by VMAD and the evaluation of NATM for the motorway use-case.</p> <p>WP29 guidelines on EDR Performance Elements for ADS EDR Step 2: Consideration of additional technical requirements</p>	<p>Framework document for automated/autonomous vehicles ECE/TRANS/WP.29/2019/34 as revised</p>	GRVA, IWG on VMAD	<p>March 2021</p> <p>November 2021 (information) / March 2022 (endorsement)</p> <p>March 2022 (information) June 2022 (endorsement)</p>	WP.29	Ongoing

	to current UN Regulation regarding trucks and buses					
Cyber security and (Over-the-Air) Software updates	Review of draft set of technical requirements for 1998 CPs	Framework document for automated/autonomous vehicles ECE/TRANS/WP.29/2019/34 as revised	GRVA, IWG on Cyber Security and OTA issues	November 2022	WP.29	Ongoing
Data Storage System for Automated Driving vehicles (DSSAD)	Inventory of best ADS storage practices. DSSAD performance elements for ADS	Framework document for automated/autonomous vehicles ECE/TRANS/WP.29/2019/34 as revised	GRVA, IWG on EDR/DSSAD	November 2022	WP.29	Ongoing
Event Data Recorder (EDR)	Corrections/ amendments to existing EDR regulation [and ADS data elements for ALKS] WP29 guidelines on EDR Performance Elements for ADS EDR Step 2: Consideration of additional technical requirements to current UN Regulation regarding trucks and buses	Framework document for automated/autonomous vehicles ECE/TRANS/WP.29/2019/34 as revised	GRSG in cooperation with GRVA, IWG on EDR/DSSAD	March 2023	WP.29	Ongoing
ADAS / [DCAS]	Amendment to UN Regulation No. 79 and new UN Regulation	ECE/TRANS/WP.29/GRVA/9, Annex IV	GRVA, Task Force on ADAS	November 2022	Russian Federation and European Commission	Ongoing
ALKS	Amendment to UN Regulation No. 157	ECE/TRANS/WP.29/1155, para. 33	GRVA, Special Interest Group on UN Regulation No. 157	June 2022	Germany, United Kingdom of Great Britain and Northern Ireland European Commission	Ongoing
AEBS	Amendment to UN Regulation No. 131	ECE/TRANS/WP.29/GRVA/9, Annex V	GRVA, IWG on AEBS (Heavy vehicles)	June 2022	Germany Japan	Ongoing

UN GTRs	Amendments to UN GTRs	AC.3 decisions	GRVA	Upon decisions	AC.3	Ongoing
UN Regulations	Amendments to UN Regulations <ul style="list-style-type: none">• UN Regulation No. 156• UN Regulation No. 155• UN Regulation No. 130• UN Regulation No. 90	Provisions of the 1958 Agreement	GRVA	Permanent	N/a	N/a

Subjects under consideration by the Working Party on Automated / Autonomous and Connected Vehicles (GRVA) at its 11th session

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
5.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda of the eleventh session (GRVA/2022/?)
5.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
13 and 13-H (Braking);		
78 (Motorcycle braking);		
79 (Steering equipment);		
89 (Speed limitation devices);		
90 (Replacement brake linings);		
139 (Brake Assist Systems);		
140 (Electronic Stability Control);		
152 (AEBS for M ₁ and N ₁);		
155 (Cyber security);		
156 (Software updates);		
157 Automated Lane Keeping Systems. (ALKS);		
5.1.2. Proposal for draft new UN Regulations:		
Nil		
5.1.3. Vehicle automation		
Remote Control Manoeuvring (RCM)		
Automated Controlled Steering Function (ACSF)		
Automated Lane Keeping Systems (ALKS)		
Validation Methods for Automated Driving (VMAD)		
Functional Requirements for Automated and Autonomous Vehicles (FRAV)		
Longitudinal control (Adaptive Cruise Control, preventing braking);		
Transition demand (Human Machine Interface (HMI));		
Driver Availability Recognition;		
Information to the driver (HMI);		
Electronic System Compliance (Complex Electronics Development);		
Periodic Technical Inspection/Roadworthiness Provisions;		
Cyber Security;		
Software (incl. Over-the-Air) updates;		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
Data Storage System for Automated Driving (DSSAD); Night Vision; Rear crossing alert; Door-open blind spot detection; Around view monitoring		
5.2. 1998 Agreement (Global)		For document symbols and its availability, please refer to the agenda of the eleventh session (GRVA/2022/?)
3 (Motorcycle braking)		
8 (ESC);		
5.3. 1997 Agreement (Inspections)		
Nil		
5.4. Proposal for draft recommendations or amendments to existing recommendations:		
Nil		
5.5. Miscellaneous items		For document symbols and its availability, please refer to the agenda of the eleventh session (GRVA/2022/?)
Intelligent Transport Systems (ITS)		
Intelligent Transport Systems/Automated Driving (AD)		
Connected, automated and autonomous vehicles		
Functional Requirements for automated / autonomous vehicles		
New assessment / Test method		
Cyber security and (Over-the-Air) Software updates		
Data Storage System for Automated Driving vehicles (DSSAD)		
Horizontal regulation on automated and autonomous vehicles and associated recommendations		
System safety		
Artificial Intelligence technologies for wheeled vehicles		
Driver availability recognition		
Vehicle cybersecurity and data protection		
Rear crossing traffic alerting		
Night Vision system		
360-degree vision monitor		
International Whole Vehicle Type Approval (IWVTA)		
Modular Vehicle Combinations (MVC)		

<i>Subject</i>	<i>Document symbol</i>	<i>Documentation</i>
Exchange of views on innovations and relevant national activities	ECE/TRANS/WP.29/...	availability

Table 6
Subjects under consideration by the Working Party on General Safety Provisions (GRSG)

GRSG								
Priority/ recurrent	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline (GRSG adoption)	Timeline (WP.29 adoption)	Initiator	Comments
Priority	Event Data Recorder	Establish new performance requirements for EDR suitable for potential new UN R and/or UN GTR	ECE/TRANS/WP.29/2019/34/Rev1.	IWG on EDR/DSSAD	2021		WP.29	IWG reporting both to GRSG and GRVA
Priority	Event Data Recorder	EDR performance elements appropriate for ADS (ALKS) equipped vehicles		IWG on EDR/DSSAD	April 2022 (GRSG)	Nov. 2022	WP.29	
Priority	Event Data Recorder	Common technical elements document for creation of a UN regulation on EDR for heavy duty vehicles (trucks and busses)		IWG on EDR/DSSAD	Oct. 2022 (GRSG)	Mar 2024	WP.29	
Priority	Event Data Recorder	EDR Step#2 - consideration of amendments to Step #1 requirements with respect to additional data elements, durability considerations including potential fire resistance, potential test procedures and consideration of new triggering criteria (e.g. “jerk”).		IWG on EDR/DSSAD	Oct. 2023 (GRSG)	Mar 2024	WP.29	
Priority	Field of Vision Assistant (FVA)	Verify and address as necessary “Augmented Reality” related aspects in relation with existing	- UN R- 125 - ECE-TRANS-WP.29-GRSG-	TF on FVA (step 1) IWG on FVA	2021 (Step 1) 2022/2023 (Step 2)	Mar. 2022 Nov. 2023	OICA	Chair: NL Secr.:OICA

ECE/TRANS/WP.29/2022/1

Commented [W1]: Date to be aligned with GRVA

GRSG									
Priority/ recurrent	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline (GRSG adoption)	Timeline (WP.29 adoption)	Initiator	Comments	
		UN Regulations / UN GTRs / UN Rules Step1 concerns update of R125.00 to include basic requirements for FVA for M1 vehicles. Step 2 aims at developing more detailed rules and guidelines and a new Regulation on FVA also covering other vehicle categories	2021-12e ECE/TRANS/WP.29/GRSG/2021/31 GRSG-121-24/Rev.2 Field of Vision Assistant (FVA) may increase driver awareness but may also constitute obstruction to the prescribed driver's field of vision (). Step 1 was finished in 2021						
Priority	Security	Virtual keys	UN R 116 GRSG-117-31 ECE-TRANS-WP.29-GRSG-2021-11e Amend the definition of keys taking into account innovative vehicle alarms systems (virtual key).	TF Digital key	2021 finished	Nov. 2021	OICA	a CP has to step forward to chair this task force	
Priority	Direct Vision	Improved direct visibility by drivers through larger windows	UN R 125 – new UNR (for trucks and buses)	VRU Proxi	April 2022 (GRSG)	Nov. 2022	Japan, EC WP.29		
Priority	Close proximity for driver's awareness	Develop close-proximity field of driver's awareness in vehicle moving off from standstill	GRSG-121-11 GRSG-122-19	VRU-Proxi	April 2022	Nov. 2022	Japan, EC		ECE/TRANS/WP.29/2022/1
recurrent	Consolidated Resolution on the construction of vehicles	Update to technical progress	R.E.3	TBD	2021	Nov. 2023	WP.29 France		

		GRSG						
Priority/ recurrent	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline (GRSG adoption)	Timeline (WP.29 adoption)	Initiator	Comments
		Inclusion of automated vehicles (classification)	GRSG-117-06		2023			
recurrent	Burning behaviour of materials	Update to technical progress	UN R 118	Behavior of M ₂ and M ₃ category vehicles' general construction in case of fire events (BMFE)	Oct. 2021	Mar. 2022	France WP.29	
recurrent	Blind Spot Information Systems	Update to technical progress	UN R 151	Awareness of Vulnerable Road Users proximity (VRU-Proxi)	April 2022	Nov. 2022	Japan, EC WP.29	

ECE/TRANS/WP.29/2022/1

Commented [W2]: Depending on developments at GRVA

Subjects under consideration by the Working Party on General Safety Provisions (GRSG) at its 122nd session

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
6.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda for the 122nd session (GRSG/2022/?)
6.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
43 (Safety glazing);		
46 (Devices for indirect vision);		
58 (Rear underrun protective devices);		
60 (Driver operated controls (mopeds/motorcycles));		
66 (Strength of superstructure (buses))		
67 (LPG vehicles);		
93 (Front underrun protection);		
107 (M ₂ and M ₃ vehicles);		
110 (CNG and LNG vehicles);		
116 (Anti-theft and alarm systems);		
118 (Burning behaviour of materials);		
125 (Forward field of Vision for Drivers);		
144 (Accident Emergency Call Systems (AECS))		
151 (Blind Spot Information Systems)		
158 (Reversing motion);		
159 (Moving Off Information System)		
161 (Devices against Unauthorized Use)..		
162 (Immobilizers)		
163 (Vehicle Alarm Systems)		
6.1.2. Proposal for draft new UN Regulations:		
Nil.		
6.2. 1998 Agreement (Global)		For document symbols and its availability, please refer to the agenda for the 122nd session (GRSG/2022/?)
Possibility to develop further UN GTRs		
Nil		
6.3. 1997 Agreement (Inspections)		
Nil		
6.4. Proposal for draft recommendations or amendments to existing recommendations:		
Nil		

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
6.5. Miscellaneous items		For document symbols and its availability, please refer to the agenda for the 122nd session (GRSG/2022/?)
International Whole Vehicle Type Approval (IWVTA)		
Consolidated Resolution on the Construction of Vehicles (R.E.3)		
Event Data Recorder Requirements		

Table 7
Subjects under consideration by the Working Party on Passive Safety (GRSP) *

GRSP							
Priority/ recurrent	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Initiator	Comments
Short term							
1. Priority	Pedestrian Safety	Review proposed Amendment 3 to GTR9	ECE/TRANS/WP.29/2021/53 ECE/TRANS/WP.29/2021/54 AC3/31/Rev.1 GRSP-69-43-Rev.1	TF to be created		US/EC	To be started
	Head impact zone enlargement	Inclusion in GTR9	ECE/TRANS/WP.29/GRSP/2020/9 ECE/TRANS/WP.29/GRSP/2019/18 GRSP-69-21-Rev.1	T.b.d.	WP.29 June 2022	EC, JPN	To be started
	Head impact zone enlargement	Transposition in UN R127	ECE/TRANS/WP.29/GRSP/2020/9 ECE/TRANS/WP.29/GRSP/2019/18 GRSP-69-21-Rev.1	N/A	2022	EC, JPN	Ongoing
	Deployable pedestrian protection systems	Inclusion in GTR9	ECE/TRANS/WP.29/AC.3/45 ECE/TRANS/WP.29/AC.3/45/Rev.1	IWG-DPPS	11/2022	KOR	Ongoing
	Deployable pedestrian protection systems and head impact zone enlargement	Transposition in UN R127	N/A	N/A	WP.29 June 2022	EC, JPN	To be started
Recurrent	UN Regulation No. 17	Test procedure for the height of head restraints in the case of vehicles having a low roof construction.	ECE/TRANS/WP.29/GRSP/2020/12	N/A	2022	OICA	Ongoing

* List of priorities still under discussion by the GR.

GRSP							
Priority/ recurrent	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Initiator	Comments
Recurrent	UN Regulation No. 100	Specific conditions concerning a clear interpretation of an AC voltage	GRSP-69-04				
Medium term							
Priority	Amendment to Mutual Resolution No. 1 – Addendum 4	Inclusion of Addendum 4 (Q dummies)	N/A	Task Force	2021-2022	Germany	Urgent matter, since the lack of specifications may hamper the proper use of UN Regulation No. 129
Priority	Amendment to Mutual Resolution No. 1 – Addendum x	Inclusion of Addendum x (Female Dummies) But also other vulnerable occupants and seating position	N/A	[T/F]	2023-2024	Sweden	Urgent matter, to provide the same level of protection to females in the event of crashes to fulfil UN SDG5
Priority	Alternative test methods for heavy duty vehicles in order to improve applicability	Transposition in UN GTR13	N/A	IWG	T.b.d	T.b.d	To be started
Priority	Hydrogen safety material compatibility and new tank concepts	Inclusion in GTR13 'phase 2'	ECE/TRANS/WP.29/AC.3/49	IWG-HFCV	WP.29 June 2023	JPN, KOR, EC	Ongoing
Priority	Hydrogen safety material compatibility and new tank concepts	Transposition in UN R134 [and R146]	N/A	T.b.d.		EC, JPN	To be started if agreed by GRSP
Priority	Electric vehicles safety	GTR20 Phase 2		IWG-EVS	Proposal at March November 2024WP.29	US, EC, CN, JP	Ongoing

<i>GRSP</i>							
<i>Priority/ recurrent</i>	<i>Title</i>	<i>Tasks / Deliverables</i>	<i>References</i>	<i>Allocations / IWGs</i>	<i>Timeline</i>	<i>Initiator</i>	<i>Comments</i>
Recurrent	Children in buses	New reg	2019/22 and GRSP-66-06	IWG- STCBC	WP29 March 2023	SP	Ongoing
Recurrent	UN Regulation No. 136	To update R136 considering new provisions in UN R100.03 and to clarify requirements for swappable Rechargeable Electric Energy Storage Systems (REESS)	GRSP-69-13 and GRSP-69-14	N/A	2021/2022	IMMA	
Long term							

<i>GRSP</i>							
<i>Priority/ recurrent</i>	<i>Title</i>	<i>Tasks / Deliverables</i>	<i>References</i>	<i>Allocations / IWGs</i>	<i>Timeline</i>	<i>Initiator</i>	<i>Comments</i>
1. Priority	Passive safety with regard to new seating configurations in automated/autonomous vehicles	<p>At the request of AC.2 and GRVA, collect available information and data describing the expected future seating position configurations (including children) related to highly automated and autonomous vehicles.</p> <p>Create a common understanding on the readiness of new systems over time and related regulatory needs and timeline</p> <p>Identify a step-wise “regulatory approach” to enable the above identified solutions.</p>	Link to GRVA and WP29 (e.g. WP29-179-23 and WP29-179-25)	<p>GRSP</p> <p>Taskforce to collect existing data/info</p>	Depending from the identified “regulatory timeline”	To be defined	<p>Automated/autonomous vehicles are seen to offer significant benefits in road safety</p> <p>It is expected that higher levels of automation will be available in the near future allowing occupants to aim for new seating configurations, e.g. improved comfort, working environment or improved communication.</p>

GRSP							
Priority/ recurrent	Title	Tasks / Deliverables	References	Allocations / IWGs	Timeline	Initiator	Comments
2.Priority							
3. Priority	Crash tests that represents the entire population.	N/A	N/A	N/A	N/A	Sweden	
Recurrent	Helmets	07 series of amdt Phase 2 of IWG	2019/25 and GRSP-66-22	IWG PH (mandate to be proposed)	2022 ?	FR IT	To be started if agreed by GRSP

UN

GTR on ECRS

N/A

N

ECE/TRANS/MP.29/2022/1

Subjects under consideration by the Working Party on Passive Safety (GRSP) at its 80th session

<i>Subject</i>	<i>Document symbol ECE/TRANS/WP.29/...</i>	<i>Documentation availability</i>
7.1. 1958 Agreement		For document symbols and its availability, please refer to the agenda for the eighties session (GRSP/2022/?)
7.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):		
[21 (Interior fittings);		
22 (Protective helmets);		
80 (Strength of seats and their anchorages (buses));		
94 (Frontal collision);		
95 (Lateral collision)		
100 (Electric power trained vehicles);		
127 (Pedestrian safety);		
129 (Enhanced child restraint systems)		
134 (Hydrogen and fuel cell vehicles (HFCV))		
137 Frontal impact with focus on restraint systems]		
7.1.2. Proposal for draft new UN Regulations:		
Nil		
7.2. 1998 Agreement (Global)		For document symbols and its availability, please refer to the agenda for the eighties session (GRSP/2022/?)
[9 (Pedestrian safety);		
13 (Hydrogen and Fuel Cells Vehicles)		
20 (Electric vehicle safety)		
Electric vehicles		
Vehicle Crash compatibility]		
7.3. 1997 Agreement (Inspections)		
Nil		
7.4. Proposal for draft recommendations or amendments to existing recommendations		
Mutual Resolution No. 1.		

<i>Subject</i>	<i>Document symbol</i> <i>ECE/TRANS/WP.29/...</i>	<i>Documentation</i> <i>availability</i>
7.5. Miscellaneous items		For document symbols and its availability, please refer to the agenda for the eighties session (GRSP/2021/17)
Exchange of information on national and international requirements on passive safety;		
International Whole Vehicle Type Approval (IWVTA)		
Securing of children in buses and coaches;		
Exchange of views on vehicle automation;		
Three-dimensional H-point machine;		
Children left in cars.		
