

GRB subjects for the future

Results from the GRB Informal meeting held in Paris on the 2nd and 3rd of July 2015

The file added below was prepared during an informal meeting organized in Paris on the 2nd and 3rd of July 2015 is a summary of possible subjects for GRB in the future. It is submitted to GRB for consideration on the basis of an informal document distributed at the sixty second session of the Working Party on Noise (GRB) for exchange

No	Existing regulation (n°), New regulation (GTR, UN, RE3, SR1)	Topic	Explanations	Short, Mid or Long terms	When to start	When to close	Constracting parties and/or organization concern	Discussions in GRB, IWG, Task force	Priority
	R51-03	Limit value	The limit values, etc. of Phase 3 were defined by GRB with the assumption that they could be reviewed later	M		2020	EC, Japan, OICA, France, UK	OICA, France, UK	
	R51-03	Annexe 3 - Update technical progress	Improvement of the test method for M3 gasoline vehicles, Non lockable gear for Passenger car, Hybrid vehicle	S		2020	EC, Japan, France, OICA, UK		
	R51-03	Next-generation test methods	The current test methods take a great number of man-hours and a long time; next-generation test methods need to be studied.	M		2020	Japan, OICA, France, UK		
	R51-03	ASEP	Series hybrid vehicles are excluded from the ASEP until 30 June 2019; new test methods will be necessary in R51	M		2019	Japan, OICA, France, UK		
	R51-03	ASEP	ASEP as a part of type approval (not as a manufacturer declaration) with higher acceleration.	S		2020	Germany, OICA, France, UK		
	R51-03	gtr on pass-by test procedure	As agreed in grb in 2002 (?), it should be considered to develop a gtr after finalization of R51.03	L			OICA, France, UK		
	R51-03	ASEP	- Missing sound limit values for N1 and Offroad in Annex7 para. 5.3 to be added. - Update the text to improve clarity and simplification. - More general technical review in cooperation with ISO (Improvement of methods)	S SM M		ASAP 2017 2020	France, Japan, OICA, France, UK		
	R51-03 + R41-04	Pass by test light for roadside-checks and PTI	Because stationary noise has often loose the direct link of sound of vehicles in motion (e.g. mapping, variable geometries, gear sensors, OBD modifications, etc.). The test should be performed easily at usual streets without buildings and walls and the result (OK or not OK) should consider differences in measurement and surface etc. (tolerances of speed, rpm, ageing of silencer/vehicle, etc.). It may be a longterm substitute to stationary sound	M		2020	Germany, Japan, OICA, France, UK		
	R51-03 or RE3	Special Purpose Vehicles	SPV like mobile cranes etc are not covered by UNECE (see Framework Directive 2007/46)	S		ASAP	OICA, France, UK		
	All vehicle regulation	Indoor type approval	Include indoor testing as an alternative to outdoor test tracks as test facility to noise tests	S / M		2018 (ECE51)	OICA, France, EC, OICA		
	All	Virtual Type Approval	Some Regulations enable an assessment of compliance by calculation, instead of physical testing. GRB should start considering to develop the framework for virtual type approval	L			OICA, France		
	R9, R63, R92	Anti-Tampering	Information / exchange of views on the probable tabling of proposals to GRB and the estimated time schedule;	S		2017	EC, IMMA, Germany, Japan		

No	Existing regulation (n°), New regulation (GTR, UN, RE3, SP1)	Topic	Explanations	Short, Mid or Long terms	When to start	When to close	Constructing parties and/or organization concern	Discussions in GRB, IWG, Task force	Priority
	R9, R63, R92	Limit value	For R9 and R63, strengthening of the limit values is requested so that Japan will be able to introduce them into its national regulations (for harmonisation of regulations).	S		2017	Japan		
	R41-04	Limit value	The strengthening of the limit values as proposed by the European Commission will be considered.	S		2018-2019	Japan		
	R41-04	Update technical progress	Collecting information on experience with R41.04, that could lead to proposals for improvement : Clarification of the ASEP for motorcycles (CVT), hybrid electric vehicles	S		2018-2019	Japan, IMMA		
	R28	"Pedestrian" horn	Much quieter than present situation (eg rgulation 3/2014/EC part 1 §1.3 and part 2 §1,5)	S		On going	Germany, France		
	R28	Update technical progress	Revision of regulation	S		On going	Russian federation, IMMA, OICA, France		
	R28	Horn (bell)	EC L1A category tests Harmonize L1A AWD specification	S / M		On going	France		
	R28 or RE3 or ...	Reversing signal	Reversing alarm of M3 and N3 category vehicles because present situation causes a lot of negative reactions from peoples living in urban-areas (alarm belongs to road-building vehicles with road-building backround noise),	M		2021	Germany, Hungaria, France, OICA		
	R117-03	Tyre noise limits related to ECE51.03	General discussion about the application of R117 in junction with OEM tyres Alternative Test Conditions (50 km/h cruising / acceleration)	M		2020	Japan, OICA		
	R117-03	Tyre noise limits	Next step				NL		
	R117-03 (related to studless)	Clarification / addition of requirements	Clarification of the requirements that enable indication of the mountain/snowflake symbol. Addition of ice performance requirements for winter tyres	M		2020	Japan		
	QRTV (GTR)	Early establishment of QRTV-UNR and gtr	Harmonisation with the gtr to be developed in the future	On going		On going	Japan, OICA		
	QRTV (UN)	Non-acoustic measures	The new ECE Reg should be forwarded to other GRs for further development of alternative, non-acoustic measures according to the footnote of the scope of Regulation.	S		2016	OICA		
	QRTV (UN)	Update technical progress	Review more recent studies on EVs to verify the effectiveness of ECE Rxxx QRTV	M		2017	OICA, Japan		
	RE3 or GTR	Interior Noise	ISO is undertaking a full review of the scope and technical issues related to ISO 5128 - which is presently incorporated into RE3	M		On going	OICA, Hungria, Russian Federation		
		Sound emission by agricultural and forestry tractors	Sound emission by agricultural and forestry tractors, in view of the future update to technical progress of the new type approval. Opportunity to harmonize.	M		On going	EC, France		
		Noise emitted by the engine cooling system		S / M		2020	Brazil		
	All	Review and Harmonize Symboly, Acronyms and abbreviations	Topic is already on the agenda, but not ready addressed, e.g. change RESS => NRES	On going		On going	OICA		
	All	Update on instrumentation	Sound level meter specifications (analyzer, last IEC)	S		On going	France		

No	Existing regulation (n°), New regulation (GTR, UN, RE3, SP1)	Topic	Explanations	Short, Mid or Long terms	When to start	When to close	Constructing parties and/or organization concern	Discussions in GRB, IWG, Task force	Priority
		Method for evaluating effectiveness of noise regulations	Exchange information on methods to measure traffic noise, and relating these to the impact of vehicle regulations.	L			IMMA		
	-	Delivery noise	Harmonize testing method on delivery vehicle	M			France, NL		
	-	Quiet City Bus	Harmonize testing method for Quiet City Bus	M			OICA		
	-	Siren	Harmonize testing method for siren To be include in R28 or RE3	L			France		
		Road noise	Method or recommandation for definition of the type of road surface regarding rolling noise.				Federation de Russie		