

# Japan Comments on EVE GTR\_46th EVE IWG Meeting

**MUST items to be discussed**

		Status	critical degree	Urgency or closed date	reference document : ECE-TRANS-WP29-GRPE-2021-XXe - EVE IWG Proposal for Battery Durability GTR 26March version.docx	base document : 210308 - ECE-TRANS-WP29-GRPE-2021-XXe - EVE IWG Proposal for Battery Durability GTR_Track changes.docx
					concerns and/or comments	solutions
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<b>Main Body</b>						
1	I	Statement of technical rationale and justification	open	high	waiting for the draft text	
2	2	Scope and application	closed	low	45th Mtg.	
3	3	Definitions				
4		For any terms not herein defined, the definition set out in UN GTR No. 15 shall apply	deleted with no discussion and with no [ ]	high	high	focus on critical description including some edditorial proposals support the reference document 1. may lead unnecessary conflict with other GTRs (e.g. same terminology but different meaning and vise versa) 2. quite efficient to refer the existing GTR go back to original text
5		3.x. Battery/Rechargeable electrical energy storage system	open	high	high	appreciate to reflect JPN proposals please refer JPN Appendix1_EVE GTR for the concrete counter-proposals make it clear what kind of batteries (REESSs) will be applicable and the appropriate terminology in this GTR exclude non-traction REESSs (i.e. 12V auxiliary battery) REESS is OK for US/Canada ? please refer appendix3
6		3.x. UBE/Electric Range describe calculation formula	open	high	high	same as previous position please refer JPN Appendix2_EVE GTR for further explanation 1. inappropriate to describe the calculation formula in definition 2. "test procedure used for certification" refer a variety of test procedure. Better to make it clear. e.g. Type1 in case of GTR#15, delete the whole calculation formula then create new Annex to clarify the test procedure and the calculation process for each performance parameter (please refer the appendix1)
7		3.x. UBE In the confirmation cycle or charge-balanced cycle, the energy balance shall be considered and corrected to a charging balance neutral energy balance.	open	high	high	propose the method how to correct to a charging neutral level please refer JPN Appendix3_EVE GTR need to make it clear how to "correct to a charging balance neutral energy balance" delete, then define correction methodology in new Annex based on IWG agreement
8		3.x. Electric Range	open	high	high	please refer JPN Appendix1_EVE GTR for the concrete counter-proposals
9		3.x. Minimum Performance Requirement/ Declared Performance Requirement	open	none	high	withdraw the previous comments same description in main body may have a chance to modify only one portion, then create unnecessary confusion delete from definition section
10		3.x Certified usable battery energy	open	mid	high	better to use same terminology "certified UBE" or "certified energy" ? "certified UBE"
11		3.x Measured usable battery energy Measured range	open	mid	high	use terminology in definition section only delete from definition section
12		3.x. SOCR/SOCE monitor Estimated SOCR/SOCE Measured SOCR/SOCE	open	none	high	same description in main body may have a chance to modify only one portion, then create unnecessary confusion delete from definition section
13	5	Requirements				
14	5.1.	shall determine the algorithms by which estimated SOCR and estimated SOCE are determined for the vehicles they produce	closed	low	45th Mtg.	appreciate to reflect JPN proposals support the reference document <editorial comments> "estimated, including estimated SOCE/SOCR" may mislead unnecessary criticism (regulate with estimated value?) better to use the harmonized terminology how about "on -board" ? in-line with OBFCM wordings
15		The estimated SOCR and SOCE shall be rounded to the [nearest whole number/first decimal place] according to paragraph 7 of this UN-GTR	open	high	high	appreciate to reflect JPN concerns on the latest text and <b>positively accept</b> the 1/100 resolution. it'd be highly expected if the following statements shall be noted in the technical report. "the resolution of on-board SOCE and SOCR : the resolution is neither accuracy nor precision but means the smallest change in the measured property that produces a change in the measurement" (← come from "chat" during 45th IWG meeting) support the reference document please refer JPN comments_Part2
16		The resolution for the customer values shall be determined in accordance with the authorities.	closed		45th Mtg.	appreciate to reflect JPN concerns on the latest text support the reference document NA NA
17	5.2.	In the second case, the values shall apply from the start of the life of a vehicle up to 8 years or 160,000 km, whichever comes first	closed	low	high	propose edditorial improvement please refer JPN Appendix1_EVE GTR for the concrete counter-proposals clarify the meaning of the text "In the second case" means 8 years or 160,000km ? If so, how about "first case" ? Described in Table clearly can be deleted
18		Table 1 and 2 MPRI	closed	high	45th Mtg.	support proposed text delete [ ]

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				concerns and/or comments	solutions
19	open	high	high	same as previous position	delete the relevant text or modify to match the para. 6.4.2.
20					conflict with para. 6.4.2.
21	closed	none	high	withdraw the previous comments	support the reference document
22	open	high	high	this requirement is not necessary technically and/or practically	delete both [ ] and text
23	open	high	low	support the latest description	remove [ ]
24	open	mid	high	withdraw the previous comments	support the reference document
25	closed	mid	high	"other system" may lead multiple interpretation and create unnecessary confusion	propose to add current EU regulatory text, please refer JPN Appendix1 EVE GTR
26					including tyre wear, brake friction, lamp malfunction and so on ? It's too much and ambiguous
27	closed	high	45th Mtg.	appreciate to reflect JPN concerns on the latest text	support the reference document
28	open	high	high	should NOT be rounded (please refer JPN Appendix4_EVE GTR for explanation)	delete relevant text
29	open	high	high		create new Annex to clarify the test procedure and the calculation process for each performance parameter (JPN Appendix1_EVE GTR)
30	open	high	high		create new Annex to clarify the test procedure and the calculation process for each performance parameter (please refer the appendix1)
31	open	high	high	same as previous position	please refer JPN Appendix1_EVE GTR for the concrete counter-proposals
32	open	high	high	OptionB x <sub>i</sub> = SOC <sub>read,i</sub> /SOC <sub>measured,i</sub> □ OptionB the factor A shall be set at [1.01]	depend on the resolution of on-board SOCE/SOCR
33	open	none	high	add flow chart	please refer JPN Appendix1_EVE GTR
34	closed	high	45th Mtg.		clarify the meaning of the text please refer the appendix2
35	open	high	high	should NOT be rounded e.g. 1,000 sample : 895 is OK ?	delete relevant text
36	closed	low	45th Mtg.		support the reference document
37	closed	low	45th Mtg.		support the reference document
38	open	high	high	withdraw the previous proposals due to lack of technical justification with just	please refer JPN Appendix1_EVE GTR for the concrete counter-