

# Japan Comments on EVE GTR\_46th EVE IWG Meeting

**MUST items to be discussed**

				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	concerns and/or comments	solutions
<b>Main Body</b>							
1	I	<b>Statement of technical rationale and justification</b>	open	high	waiting for the draft text		
2	2	<b>Scope and application</b>	closed	low	45th Mtg.		
3	3	<b>Definitions</b>					
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	please refer JPN Appendix1_EVE GTR for the concrete counter-proposals
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
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
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
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
10		3.x Certified usable battery energy	open	mid	high		better to use same terminology "certified UBE" or "certified energy" ?
11		3.x Measured usable battery energy Measured range	open	mid	high	withdraw the previous comments	use terminology in definition section only
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
13	5	<b>Requirements</b>					
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
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
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
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
18		Table 1 and 2 MPRI	closed	high	45th Mtg.		support proposed text

# 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
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-