Submitted by the expert of the EC

Summary of proposed amendment on UNR154 02/03 series

GRPE-87-48

#	Section	Paragraph	Brief Description	Proposal	Justification	Critical level	GRPE-87-XX (02 series)	GRPE-87-YY (03 series)	EU COM remarks	reviewers
1	Main	6.2.6.	identifier	move to right position (under the searching)	seems to be in wrong position		✓	✓	OK: Problem in the numbering, to be corrected	JPN_rev1
2		6.3.2.2.	Interpolation family definition	delete criteria (d)	This criteria is related to OVC-HEV special provision. JPN proposes to delete this provision (see #27), then this criteria is no longer necessary		✓	✓	NOK: cannot accept the Rcdc change at this point, need to better understand the implications	JPN
3		6.7.2.1.	assigned additive deterioration factor	Table 1B←Table 3b	refer correct table	★★★	✓	✓	OK	JPN
4		8.2.4.3.	COP run-in factor	delete "electric energy consumption"	mislead to wrong process. run-in factors of CO2/FE are independent from that of electric energy consumption	★★★	✓	✓	NOK: for OVC-HEV these values are not independent. There shouldn't be cherry picking between assigned values and run-in test, it should be the one or the other. Change to level 1B could be supported.	JPN
5		8.2.4.4.	↑	delete paragraph	mislead to wrong process. reference steps are insufficient and incorrect. All necessary processes are described in Appendix 1.	★★★	✓	✓	Depend on the changes agreed upon in Appendix 1.	JPN
6	Appendix 1		Title	make it clear what this Appendix describes	current text contains variety of process. focus on the test procedure and test results derivation to make the text simplified	★	✓	✓	Why not clarify the title if needed, but proposal does not seem much clearer	JPN
7		1.1.	application of run-in factor	add Table to make it clear for run-in factor application	mislead to wrong process. text doesn't reflect "original intention" which allow assigned run-in factor when DPA method is adopted	★★★	✓	-	Needs to be analysed, necessity to change is unclear	JPN
8		1.3. 2.1. 3.1.	test procedure	delete paragraphs	duplication		✓	✓	OK	JPN
9		1.4. 2.2. 3.2. 5.3.2.1.	refer table step to determine the test results	correct right step and add necessary process (run-in & test lab correction factor)	mislead to wrong test results	★★★	✓	✓	Needs to be analysed, necessity to change is	JPN
10		2.3. 3.3.	reference value for COP verification	delete paragraphs then reference value are moved to Appendix 2	COP needs no interpolation method. mislead incorrect value refer incorrect steps	★★★	✓	✓	Needs to be analysed, necessity to change is unclear	JPN
11		4.1. 4.2.	COP test procedure for PEV	describe the correct test procedure and delete the texts which refer incorrect test procedure. Then reference value are moved to Appendix 2	mislead to wrong test procedure COP has only one test procedure, refer incorrect steps	★★★	✓	✓	Needs to be analysed, necessity to change is unclear	JPN JPN_rev1
12		5.2.	OVC-HEV CS test	move to NOVC-HEV paragraph (new 4)	same as NOVC-HEV simplified		✓	✓	Needs to be analysed, necessity to change is	JPN
13	Appendix 2	3.2.	verification of EC	delete the duplication	simplified (4 sections to 3 sections)		✓	✓	OK	JPN
14		3.2.	reference value for EC			★★★	✓	✓	OK	JPN
15	Appendix 3	1.2.1.	Extension of run-in factor	refer right parameter	mislead to wrong test process	★★★	✓	✓	OK	JPN
16		1.6. 1.8.	refer test procedure	B6 or B8 ← B6 and B8	mislead to wrong test procedure	★★★	✓	✓	OK	JPN
17		1.9. 1.9.1. 1.10.	run-in factor derivation	support GRPE-86-16	mislead to wrong test results	★★★	✓	✓	OK	JPN
18		1.13.	the run-in factor for electric energy consumption	new text was added	mislead to wrong test process in-line with 02series	★★★	-	✓	Needs to be checked	JPN
19		2.	pre-action for FE run-in factor	new text was added	mislead to wrong test process in-line with 02series	★★★	-	✓	Needs to be checked	JPN
20	Annex B3	Table A3/3	fuel specifications	refer right standard	←	★	✓	-	Needs to be checked	JPN_rev1
21	Annex B4	4.1.1.2.	temperature range during road load determination	describe temperature range clearly	mislead to wrong test procedure text doesn't reflect "original intention"	★★★	✓	✓	OK	JPN
22		5.1.1.	calculation of the road load	add another paragraph	5.1. refers both coast down and wind tunnel method, but 5.1.1. miss to refer wind tunnel method	★★★	✓	✓	OK	JPN
23		5.1.2.	calculation of the road load	refer right paragraph	mislead to wrong test results refer incorrect paragraph (should refer after correction to reference conditions)	★★★	✓	✓	OK – could even refer to 4.5 rather than 4.5.5.2	JPN
24		6.5.2.3.3.	alternative chassis dynamo setting	add right parameter	mislead to wrong test procedure missing the parameter	★★	✓	✓	OK	JPN_rev1
25	Annex B7 / Annex B8	Table A7/1 / Table A8/5	post processing (COP related)	delete and move to Appendix 1 as a whole process	inconsistent with text, mislead to wrong test results	★★★	✓	✓	NOK: it does not harm to have more details in the table, unless inconsistencies are clearly shown better keep as is.	JPN
26	Annex B7	Table A7/1	post processing	refer right paragraph and/or parameter	mislead to wrong test results	★★★	✓	✓	OK	JPN_rev1
27	Annex B8	4.1.2. 4.1.3.1. 4.2.2. 4.2.3. 4.3.1.		delete special provision	current provision mislead the incorrect EAER value during Part A verification test under the battery deterioration requirement	★★★	✓	✓ (exclude Table A8/9a and	Needs to be analysed	JPN JPN_rev1

No.	Annex	Section	Topic	Proposal	Justification	Rating			Comment	Source
		4.3.2. Table A8/8, A8/9, A8/9a, A8/9b							Table A8/9b)	
28		4.4.	applicable phase	delete and move to 4.4.4.1.	create unnecessary confusion	★★	✓	-		JPN
29		4.4.4.1.	EAER calculation formula	for 3-phase test CS CO2 : declared←measured	mislead to wrong test results in-line with current practical process	★★★	✓	✓	OK	JPN_rev2
30		4.4.4.2.	EAER phase calculation formula	add Level 1B (3-phase WLTP) calculation for phase EAER	During 02/03 SoA, 3-phase process was accidentally deleted.	★★★	✓	✓	OK	JPN
31		4.4.4.2. 4.4.6.2.	EAER phase calculation formula	add necessary process	mislead to wrong test results	★★★	✓	✓	Needs to be analysed	JPN
32		4.5.8.	adjustment of EAER value	delete (=not allow manufacture declared value for both Level 1A and 1B)	can be used to disable GTR#22 requirement (battery deterioration)	★★★	✓	✓	Needs to be analysed, not clear why a declaration concept would be harmful	JPN JPN_rev1
33		Table A8/8 step 12 Table A8/10 Table A8/11	calculation of the electric energy consumption	delete the process	mislead to wrong test results double process	★★★	✓	✓	Needs to be analysed	JPN
34	Appendix 3	Table A8 App3/1	REESS voltage measurement	modify the description	mislead mis-interpretation avoid the confusion	★	✓	✓	Needs to be analysed	JPN_rev1
35	Annex C3	4.7.1.	pure gas specifications	allow usage of Type1 pure gas for Type4 test as an option	improve laboratory operation efficiency without scarifying the accuracy		✓	✓	Needs to be analysed	JPN_rev2