Japan Positions on Battery Durability GTR @EVE51

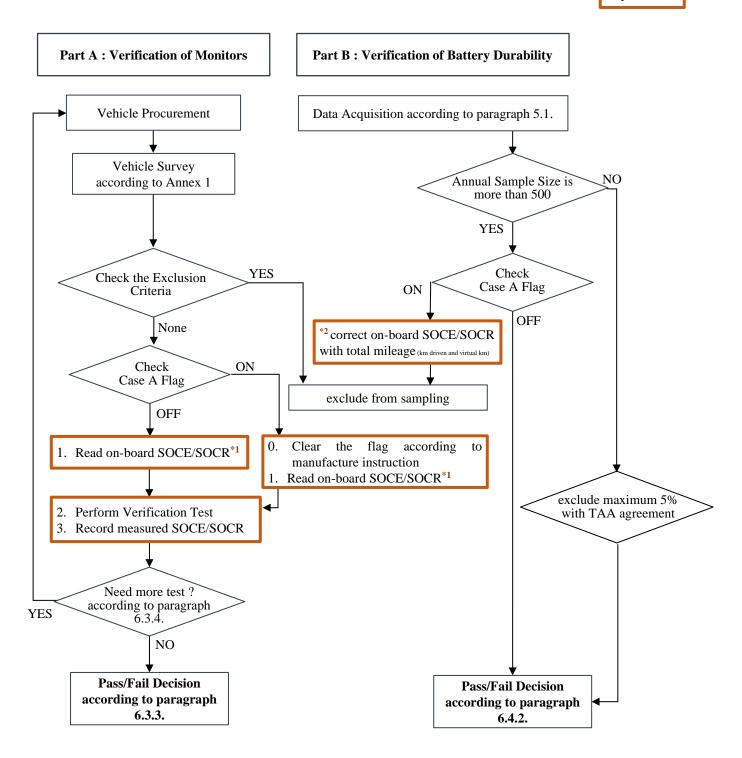
8 & 9 July. 2021

Japan Positions on Open Issues

Updated from EVE#50th meeting

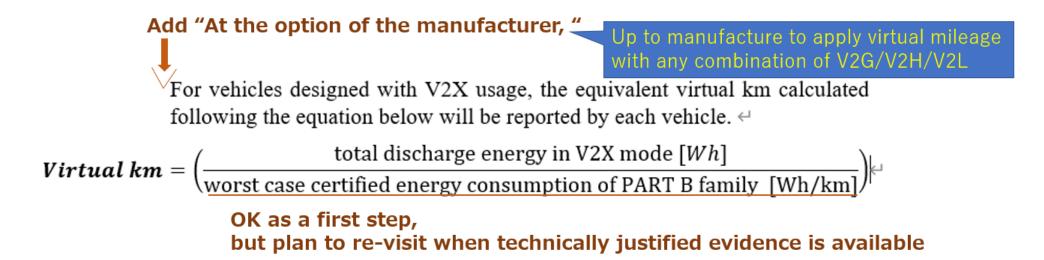
Open issues	Brief description	Japan Positions	notes
Case A flag	Ensure the accuracy of SOCE/SOCR No change	under Part A : support original flow under Part B : exclude Case A flag ON vehicle from sample but <u>require additional</u>	(refer slide s more clea
Case B flag	Identify the abnormal usage	OK to remove with applying the virtual mileage concept No change	hard to define the "abnormal"
Virtual mileage	Consider V2X usage	Supports USEPA proposal with slight modification. Clear definition of "V2X" is necessary(plan to provide the concrete text during 51 st IWG meeting) (refer slide4)	slight modification : the denominator may not be unique electric consumption of each specific configuration
UBE calculation	GTR shall provide the clear process to determine the performance parameter No change	WLTP : hope to provide concrete calculation process during 51 st IWG meeting Follow the recom	mendation
		CFR : US intends to provide the by bread calculation formula in the Phase 1 ?	k out group

Updated !!!



- *1 : on-board SOCE/SOCR before verification test shall be used for *SOC_{read,i}* (Part A verification) considering the consistency between Part A and Part B
- *2 : the additional information (on-board SOCE/SOCR and total mileage) is a kind of "deterrent effect" to prevent the misuse from going into the market

Virtual Mileage



V2X Definition Support the latest text

3.x "V2X" means the use of the traction batteries to cover external power demand, such as V2G(Vehicle-to-Grid) for system stabilization by discharging electricity from traction batteries, V2H (Vehicle-to-Home) for utilizing traction batteries as emergency power sources in times of power failure, and V2L (Vehicle-to-Load, only connected loads and home appliances are supplied) for use in times of power failure and/or outdoor activity in normal times.