Comments regarding
Virtual mileage test method proposal

prepared by JAPAN

86th EVE IWG
8th & 9th July 2025

Virtual distance testing method proposed by China (EVE-85-05e)

- Temperature : 23 ± 5ºC

- SOC which the test start from : ≥95%

- Discharge power : maximum discharge power

- Termination condition : 2hr or cut-off voltage

< Japan Comment>

Item	Comment
SOC	Need definition (to be described in Paragraph 3) Proposal 1) set SOC 0-100% according to the usable range as specified by manufacturer Proposal 2) set same definition "indicated SOC" in ISO/SAE 12906*
SOC starting conditions	There would be a case that the test cannot start from ≥95% due to system design ⇒ Need flexibility (with the approval of the responsible authority, the test may be started from SOC specified by the manufacturer)
Discharge power	Test only at maximum power would NOT be appropriate for verification, since accuracy depends on output power ⇒ Need to be discussed furthermore (including whether the higher power, the higher accuracy)
Termination condition	There would be a case that the test is stopped due to other than cut-off voltage ⇒ Need flexibility (the discharge is stopped ~~at the cut-off voltage~~ according to the termination condition set by the manufacturer)

* Test Procedures for Electric Vehicles to Determine Charging Performance 2/2