Japan Feedbacks against EC/US/UK proposal on Part A and Part B program

52nd EVE IWG Meeting
8th and 10th September, 2021
**Japan Positions**

Japan accepts EC/US/UK proposal **with the following modifications**

- **Part A_①** Exclude extra operation per customer questionnaire and allow sample exclusion with TAA agreement
- **Part A_②** Accept and/or allow to combine with other region verification results
- **Part A_③** Increase the factor A (verification threshold) from 5% to 7%
- **Part B_①** Delete on-board information of OEM exclusion justification

please take a look at the next slide for more detail
Battery Durability Verification Flow

【Counter-Proposal against EC/EPA/UK proposal】

② Accept and/or Allow to combine with other region verification
  <reasons>
  ✓ No impact on algorithm check per region
  ✓ Consider the increased testing burden due to no Case A operation

(keep safety exclusion criteria)

① Exclude the extra-operation per customer questionnaire
  <reasons>
  ✓ should be same condition between Part A and Part B
  ✓ not verifiable

Allow sample exclusion with TAA agreement based on technical evidence (=verifiable)

③ Increase the factor A from 5% to 7%
  <reason>
  increase the variability due to no Case A operation

3. Obtain on-board SOCE/SOCR for future improvement
   (not used for Part A verification)

Values to be read from each vehicle:
1. SOCE measured value
2. SOCR measured value
3. Distance (in km)
4. Shortest certified energy consumption per PART B family (Wh/km)
5. Total discharge energy in VIX mode (Wh)
6. Last driven in (km)

Current text is OK (=verifiable)
【Proposal by Japan@51st EVE IWG】

- Based on agreement within IWG
- Clarify the detailed process
Proposal by EC/EPA/UK@51st EVE IWG

Part A: Verification of Monitors

- Vehicle Procurement
  - Vehicle Survey according to Annex 1
    - Check the Exclusion Criteria
      - None
    - Obtain on-board SOCE/SCCR
      - Perform Verification Test
        - 1. Obtain measured SOCE/SCCR
          - Need more test? according to paragraph 6.3.4.
          - Pass/Fail Decision according to paragraph 6.3.3.
          - YES
      - NO
      - 2. Obtain measured SOCE/SCCR before and after update.
        - Use the one before update for monitoring
      - Exclude from sampling or update the monitor by procedure in vehicle survey

Part B: Verification of Battery Durability

- Data Acquisition according to paragraph 5.1.
  - Annual Sample Size is more than 500
    - NO
    - YES
    - exclude maximum 5% with TAA agreement

Values to be read from each vehicle:
1. SOCE monitor value
2. SOCR monitor value
3. Odometer (in km)
4. Worst case certified energy consumption of PART B family [Wh/km]
5. Total discharge energy in V2X mode [Wh]
6. Last driven on [Date]
7. OEM justification for exclusion

Differences from Japan proposal:
① Eliminate Case A function
② Allow extra-operation per customer questionnaire
③ On-board information of exclusion justification