In-vehicle battery durability e-HDVs Where are we?

Elena Paffumi, Gian-Luca Patrone Web Meeting, February 28<sup>th</sup>-29<sup>th</sup>, 2024



## e-HDVs GTR: where are we?

- Draft HDV GTR text (open or revised elements are in track changes)
  - Rational under development
  - MPR and metric (including eventual virtual distance discussion if needed)
  - Family concept: Part A, Part B and if needed Part C
  - Vehicle selection type approval and for Part A verification (Japan proposal EVE IWG 66)
  - Part A Statistical method pass/fail decision
  - Part B Pass/Fail Criteria for the battery durability family
  - Part C Verification of reported virtual distance
  - Annex 1 dynamic charging technology (vehicle exclusion from Part A?)
  - Annex 2 Values to be read from vehicles.
  - Annex 3 EVE-68-04e
    - Vehicle speed definition in Method 1a and Method 1b (new text to be discussed and reviewed)
    - Recording frequency of the measurements: 20Hz during discharge, 0.033Hz during recharge
    - Break-off criterion OVC-HEVs
    - Alternative method draft text
- > e-HDVs test procedures: Open Item List EVE-68-04e + EVE-68-03e → To discuss and possibly agree today
- ► MPR and metric: EVE-68-xxe



## Thank you

Contacts Info:

EC DG JRC DIR-C EMC Sustainable, Smart and Safe Mobility Unit elena.paffumi@ec.europa.eu, gian-luca.patrone@ec.europa.eu



## © European Union 2024

Unless otherwise noted the reuse of this presentation is authorised under the <u>CC BY 4.0</u> license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

