Discussion of EVE IWG Mandate
Timelines

Additional documents: ECE-Trans-Wp.29-2016-116
Outline

- Introduction of current timelines and status of work
- Proposal on timeline changes
- Discussion with EVE IWG on changes
Timelines for Power Determination

- Determining the powertrain performance:
  - (ii) June 2018: Draft gtr available, guidance on any open issues by GRPE;
  - (iii) June 2018-January 2019: Final drafting work on gtr text;
  - (iv) January 2019:
    - a. Endorsement of the draft gtr based on an informal document by GRPE;
    - b. Transmission of the draft gtr as an official document twelve weeks before the June 2019 session of GRPE.
  - (v) June 2019: Recommendation of the draft gtr by GRPE;
  - (vi) November 2019: Establishment of the gtr by AC.3 in the Global Registry.
# Planned Schedule for Determination of Electrified Vehicle Power

## Key Events

- **2017**
  - July: Validation program preparation
  - Oct.: Testing
  - **Key events**
    - 24th session
    - ISO/DIS available

- **2018**
  - Jan.: 25th session
  - Apr.: 26th session
  - July: 27th session

- **2019**
  - Jan.: 29th session
  - Apr.: 30th session
  - July: 31st session
  - Oct.: 32nd session

## Validation Program

1. Preparation
2. Testing
3. Drafting

### Drafting

- Conditions
- Technical Method
- Modification & Drafting technical report

### Finalize the draft

- Submission (3 months before?)
- Adopt Informal Doc. by GRPE
- Adopt Formal Doc. by WP29
Timelines for Battery Durability

Battery performance and durability:

(ii) November 2016 - June 2018:

- a. EVE continues research on battery performance
- EVE develops a detailed workplan and drafts request for relevant activities (including gtr development);
- b. EVE continues consultation with the WLTP, including the WLTP-E-Lab subgroup and WLTP co-sponsors (Japan and the European Commission) as well as the EPPR IWG.

(iii) June 2018:

- a. EVE IWG presents a first draft on the status of research work and proposal(s) for subsequent work (if appropriate) to GRPE;
- b. EVE IWG presents informal documents on the status of research work and proposal(s) for subsequent work (if appropriate) for review by AC.3.

(iv) November 2018: Approval of the authorization to develop a gtr by AC.3, if appropriate;
Timelines for Stating Energy Consumption

(i) November 2016:
- Approval to approach the Group of Experts on Energy Efficiency (GEEE), and possibly UNECE Executive Secretary about continuing work on the method of stating energy consumption;

(ii) November 2016 - June 2018:
- EVE supports work of GEEE or another group on method of stating energy consumption as needed;

(iii) June 2018:
- a. Report status of work on method of stating energy consumption to GRPE;
- b. Report status of work on method of stating energy consumption to AC.3.
June 2018 presentations as per mandate

- Early draft of System Power Determination GTR to be available
  - Validation testing very unlikely to be complete
  - Plan on slide 4 envisions final draft in January 2019 GRPE

- A first draft on status of Battery Durability research work and proposals for subsequent work if appropriate (including GTR development)
  - Modelling & testing work unlikely to be complete, but progressing well
  - Not close to consensus on whether a durability GTR is appropriate

- Report on status of work on method of stating energy consumption
  - Not started, but could be prepared without too much effort
Schedule changes for Consideration

- Propose to submit all 3 deliverables to January 2019 GRPE
  - Aligns better with current work progress
  - Gives more time to reach consensus on battery durability
  - Would allow all deliverables to be considered simultaneously by GRPE and WP.29

- If EVE IWG agrees on path forward, presentation at GRPE in June 2018 will explain reasons for slight delay in draft deliverables
Thoughts?