

PMP – Particle Measurement Program Informal Working Group Task Force 2– Brake Dust Sampling and Measurement

Meeting #43 – Wednesday 11 MAY 2022 15:00 – 17:00 CEST

Minutes of Meeting – Final Version

1. Participants: As in the file *“43rd TF2 Meeting Attendance”* uploaded in TEAMS.

2. Introduction: Theo Grigoratos (TG) welcomed the TF2 members and summarized the status of the various documents. A clean version of Clauses 3 and 4 (ex-5) was circulated last week. A final version of Clause 6 will become available by the end of Week 19. Comments on Clause 7 have been received – TG mentioned that a clear version will be prepared by the end of Week 20. The first comments on Clause 9 have been received –the deadline has been set at 20.05. TG announced that the next meeting (Wed 18.05) will be focused on PN emission measurement. Today’s discussion was dedicated to reporting of results.

TG announced that a PMP meeting will take place on Wed 25.05 (invitation will be sent soon). TG requested the group to book Mon 30.05 (12.00-16.00 to be confirmed) with the aim of organizing a TF2 “workshop” to discuss all open points. The event will most probably be held virtually. The invitation will be sent to the TF2 by the end of Week 19.

3. Clause 11 presentation: TG provided an overview of the different files that are proposed for reporting results. Four different subclauses have been introduced based on the type of file as follows:

Clause 11.1 – Event-Based file: Provides a comprehensive table with all parameters and details that are required to be registered for all brake events during testing;

Clause 11.2 – Time-Based file: Provides a comprehensive table with all parameters and details that are required to be registered and reported at 1Hz throughout the overall brake emissions testing procedure;

Clause 11.3 – PM and wear measurement file: Provides three tables with all parameters that are required for the PM mass measurement procedure, weighing of certified filters, and weighing of brake parts to report mass loss over the entire test;

Clause 11.4 – Reporting file: Provides a detailed table with all parameters and calculations that shall be reported when performing brake particle emissions tests.

TG explained that the files included in subclauses 11.1-11.3 are very similar to the templates applied during the ILS; however, there have been applied some changes to remove redundant parameters and add others considered necessary. TG invited the group to comment on the layout proposed for the reporting file as described in subclause 11.4 and submit a proposal for an alternative method if the current approach is not suitable. TG clarified that subclause 11.4 is not yet finalized and is submitted only to verify that the group agrees with the proposed layout.

Carlos Agudelo (CA) welcomed the proposal for reporting and requested to further elaborate on the input data mainly focusing on vehicle and brake data. TG replied that it would be good to have additional data; however, the aim is to include in the report only necessary elements for the authorities and third party testing facilities. CA commented that a short report containing the most

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important information would be of added value – TG replied that we can request such a report once the full report format is ready. Heinz Bacher commented that only necessary parameters shall be introduced and special attention not to create incomparable situations shall be paid – TG agreed and added that the setup specifics will also be reported; therefore, it should become clear that direct comparisons in certain parameters (i.e. temperatures) are not always suitable.

4. Next Meeting: The next meeting will take place on Wednesday 18.05.2022 from 15.00-17.00. The topic will be related to PN measurement.