

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

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Meeting #26 – Thursday 12 MARCH 14:00 – 15:00

## Minutes of Meeting – Final Version

**1. Tour de Table:** AUDI-(SG) Sebastian GRAMSTAT; AVL-(TM) Thanasis MAMAKOS; AVL-(MA) Michael ARNDT; BMW-(KK) Katharina KOLBECK; BREMBO-(MF) Matteo FEDERICI; BREMBO-(GP) Guido PERRICONE; CARB-(SC) Sonya COLLIER; CONTI-(AR) Achim REICH; DEKATI-(MM) Mikko MOISIO; DRIV-(MM) Marcus MORBACH; DRIV-(AG) Andreas GIESE; DRIV-(CK) Christoph KOELSCH; Ford-(JG) Jarek GROCHOWICZ; Ford-(MM) Marcel MATHISSEN; GM-(MR) Matt ROBERE; Horiba-(JD) Joel DANZER; Horiba-(DL) Dmytro LUGOVYY; Horiba-(YO) Yoshinori OTSUKI; ITT-(SA) Simone ANSALONI; ITT-(AS) Agusti SIN; JARI-(HH) Hiro HAGINO; JRC-(TG) Theodoros GRIGORATOS; LINK-(CA) Carlos AGUDELO; LINK-(RV) Ravi VEDULA; OPEL-(OB) Olaf BAUSCH; TMD Friction-(AP) Andreas PAULUS; TSI-(JS) Jürgen SPIELVOGEL; TSI-(SP) Stephan PERCOT; TU ILMENAU-(DH) David HESSE.

**2. Background concentrations:** TG described the draft recommendations for the background concentration as formulated after the TF2 exchange. Discussions on the feasibility and the need for installing charcoal filter to remove volatiles. This topic will be addressed after the RR. There was an agreement on the rest of the topics. JG proposed to accurately describe how the background check shall be performed in order to avoid different approaches among the labs. TG to circulate the final recommendations after the meeting.

**3. Bedding procedure:** MR provided a presentation on GM's experience with a particular focus on the bedding procedure. MR stated that at least 5 WLTP-based cycles seem to be necessary for material stabilization. Despite that different pad materials seem to have different bedding "needs" it is recommended to not apply different procedures. DL stated that Horiba has demonstrated that different pads stabilize (in terms of PN emissions) after different number of cycle repetitions. Might worth to investigate the possibility of applying more repetitions of a higher energy section of the cycle (i.e. trip #10) instead of the whole cycle with the aim of reducing bedding time. TG will draft some initial recommendations for discussion.

**4. Next Meeting:** The next meeting will take place on 26.03.2020.