



MINUTES

of the 77th meeting of the **CIMAC WG 5 “Exhaust Emission Control”**

Virtual (Microsoft Teams)

on 4th March 12:00-15:00 (CET) 2024

Participants:

Korpi, Heikki
Junichi Sato
Boij, Johan
Vestergård, Johanna
Wania, Peter
Bartinger Sebastian
Wu, Max
Kadau Dirk
Quaim Choudhury
Hinrich Brumm
Bloss, Matthew
Vladimir Shnurkov
Joseph McCarney
Schwarz, David
Herve Martin
Klingbeil, Adam
Tim Callahan
Andreas Banck
Markus Münz
Hinrich Brumm
Peitz Daniel
Hans-Philipp Walther
Bierl, Maximilian

1 Formalities

1.1	<u>Opening of the meeting</u> The chairman of the WG 5 welcomed all attendees and opened the meeting. CIMAC compliance program reviewed.	12:00 (CET)
1.2	<u>Adoption of the agenda</u> The agenda was approved.	Annex 1
1.3	<u>Round of introductions / membership</u> No new members participating.	
1.4	<u>Review of the minutes of the last meeting</u> The minutes of the last 76 th WG5 meeting were confirmed without changes.	

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2 Presentations

2.1	<p>General CIMAC info</p> <p>CIMAC common meeting week planned now 10th to 12th Dec in Frankfurt. WG5 meeting but also meetings together with other WGs. June 12th and 13th WG 5 meeting will be a virtual (Teams). CIMAC congress May 19th – 23th 2025 in Zurich, Switzerland.</p>	
2.2	<p><u>1-slide updates</u></p> <p>Slides in the Annex, some of the discussed topics below.</p> <p><u>Strategy Group:</u> Biofuels: Major rewrite ongoing (D. Schwarz also involved). Document will be more on general level info on GHG reduction and not as detailed as WG Fuels document.</p> <p>Regarding the Frontier study, it will be concentrated on global future fuel supply for marine transportation. The funding of the study is still only partially secured. FVV is also carrying out a study on future fuel supply but that is concentrating on road transport and Europe.</p> <p><u>Japan / Asia</u> Also fossil based hydrogen could be considered as “low-carbon hydrogen” if carbon is captured and stored in the hydrogen production process.</p> <p><u>Stationary</u> EUROMOT has been actively contributing to gas quality standardization work in Europe (CEN/TC 234/ WG11). One of the biggest issues has been to agree the Wobbe Index (WI) range to be included in the standard. There are different interests to have very wide (gas transporters – TSO, DSO) or narrower range (end users) specified in the standard.</p> <p><u>Marine IMO and EU</u> Discussion related to multiple engine operational profiles finalised in PPR11 (end February, final approval in MEPC required). NOx emissions at Tier III control areas (at low engine operating loads) has raised concerns and will be further discussed in MEPC 81 in March.</p> <p><u>USA and Canada</u> CARB has received authorization from the US EPA for its 2020 At Berth regulation. EPA: New rule for locomotives and locomotive engines enables states e.g. California to create state level regulations on (existing) locomotives.</p>	Annex 2
2.3	<p><u>Biofuel document</u></p> <p>Changes of SCR chapter were agreed during the meeting. Daniel will share the draft with the group to agree the changes of the rest of the document (NOx emissions/ Black carbon) by e-mail.</p>	
2.4	<p><u>Future fuels paper</u></p>	

	A separate meeting will be arranged to consider the next revision of the paper.	
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3 Others

General discussion about emission calculation for zero carbon fuels (as carbon balance is not possible). ISO is working on the topic and targeting to publish procedure during this year. Markus Münz is a secretary of that ISO group, and will check if he can share some of the content with WG 5 earlier.	
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4 Actions

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5 Next meetings

12.-13.6.2024 Virtual meeting 10-12.12.2024 preliminary dates for CIMAC meeting week in Frankfurt, Germany.	
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6 Closing of meeting

Chairman closed the meeting at 15:25.	
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7 Annexes

5 th March 2024	
Daniel Peitz Chairman	Heikki Korpi Secretary