

Minutes of Exhaust Systems PG Meeting

27-28 November 2014, NIL Hotel, Florence, Italy

Attendees:

Dingo Kist	Aarding
David Champneys	BIHL
David Lybek	Dresser-Rand
Fabio Amoroso	GE Oil & Gas
Stefania Della Gatta	GE Oil & Gas
Roberto Merlo	GE Oil & Gas
Giorgio Marchetti	GE Oil & Gas
Marco Simoncini	GE Oil & Gas
Stefano Culpo	GE Oil & Gas
Terje Kasperesen	HalvorenTec
Ole E. Torp	Mjorud
Paul Setchfield	Mjorud
Joe Mc Donough	Solar Turbines
Amaury Dambour	Solar Turbines
Claude Prebende	Total
Ugo Simeoni	ETN

1. Introduction by Chair/ETN Officer

U. Simeoni opened the meeting and welcomed the project group members. He relayed the apologies of Amelie Pesquet, who unfortunately could not attend due to business reasons. In absence of A. Pesquet, Ole Torp, as co-chairperson chaired the meeting.

2. Short report on the status of the revised standard

Ugo Simeoni reported the status of the revised standard and went through the actions agreed during the last meeting in Brussels.

With regards to the action to contact API in order to check if new recommended practices for WHRU were in place, D. Champneys had have a conversation with the Chair of the API 669 for heat recovery system. He found out that this standard would not include the heat recovery from gas turbines which should instead be covered in the API 534. Claude Prebende stated that currently API is working on two standards concerning this topic: API 534 for gas turbines HRSG and API 669 for boilers. None of the standards would cover the WHRU therefore the work done by this PG will be very useful and much appreciated.

S. Culpo reshaped the section 7.2.2 by adding a table for the fouling factors. It was decided to move this table in the Purchaser's appendix.

Section 7.3 which was reviewed by A. Dambaour was accepted by the PG.

The sections 7.4.3 and 7.4.4 were discussed by the PG and agreed up on.

The PG reviewed the list of normative and it was decided to reference in the standard only the normative used.

3. Review of comments on the WHRES Standard

During the meeting, the present PG members reviewed the summary of comments in the draft standard, item by item.

The text was edited progressively in accordance with the discussion and the agreed changes. The excel spreadsheet was edited, deleting all the comments already discussed and implemented. Only the comments highlighted in yellow would need further discussions at the next meeting.

It was decided to delete the section 7.6 related to the GT exhaust collector since it was considered out of scope for this standard.

It was agreed that GE would review its list of comments and shorten it for the next meeting.

The following comments were to be further reworked:

Action Owner	Description	Deadline date
ETN	Move the table in section 7.2.2 in to the Purchaser's appendix	18 December 2015
GE Oil & Gas	Review the list of comments and shorten it.	18 December 2015
GE Oil & Gas	Rewording the section 7.8.2.2 paragraphs f and g	18 December 2015
ETN	Send to the PG the ISO process document	18 December 2015
All	Review his own comments with reason or requirement to be presented to the PG.	Next Meeting

4. WHRES Standard – The way forward (requirements and steps to initiate the ISO process)

U. Simeoni presented to the PG the steps to take to submit the standard to the ISO TC 192. U. Simeoni would send to the PG the document describing the ISO process.

5. Next Meeting

In order to finalise the review of the standard, the group decided to set up the next meeting in January.

U. Simeoni would send out a doodle for potential meeting dates as soon as he will find a host for the meeting. The meeting would be a two day workshop.

In order to optimize the next meeting, each comment owner is requested to prepare their reason or requirement for the working group to review.