



Minutes of Exhaust Systems PG Meeting

23 March 2015, Brussels, Belgium

Attendees:

Paul Setchfield	Mjørud
Amaury Dambour	Solar Turbines
Joerg Gottwald	Statoil
Amelie Pesquet	Total
Ugo Simeoni	ETN

1. Introduction by Chair/ETN Officer

A. Pesquet opened the meeting and welcomed the sub-project group members.

2. Short report on the status of the revised standard

U. Simeoni reported the status of the revised standard and went through the actions agreed during the last meeting in London. All the actions were cleared.

3. Review of comments on the WHRES Standard

During the meeting, the present sub-PG members reviewed the comments in the draft standard, item by item. The following actions need to be reviewed for the final release.

- 1) Use *louvres* in the whole document.
- 2) Each new section of the document should start on a new page.
- 3) In some sections the word *Vendor or Manufacturer* is used instead of *Supplier* with a capital S. Check the document and replace the word where needed.
- 4) The word *Purchaser* should be always in with a capital P. Check the document and correct where needed.
- 5) Check the correct use of *proposal* and *bid* into the text.
- 6) Detail ETN in the abbreviation.
- 7) Remove the word *ref.* in the document.
- 8) Replace *would* and *should* by *will* and *shall*.
- 9) Crosscheck the *Appendix C – Information provided by Purchaser* with the bullet points in the document.
- 10) Replace the words *Tube Coil* or *Heat Exchangers* with *Tube bundle*.
- 11) Change *gas* to *process* and remove *offshore* or *onshore* from the document.
- 12) Replace the word *WHRU* with *Exhaust System* if the field of application is not limited to the WHRU.

- 13) The normative reference to ISO standards in the document should be in the format ISO XXX / EN YYY or ISO XXX / API YYY.
- 14) Split the chapter 7 in two, one general for *Exhaust System engineering & system design* and one specific for the *WHRU engineering & system design*.
- 15) Paragraphs 7.4.2 remove the word *tubes and pipes* and leave *tubes*.
- 16) Validate that the use of the term *dry run* is coherent throughout the document.
- 17) Where referred to noise, replace the word *limitations* with *emissions*.
- 18) Replace *higher dynamic head loss* by *pressure loss*.
- 19) Check the meaning of the abbreviations *PQR* and *WPS*.
- 20) Paragraph 7.4.4 – comments U13, U14. Reword and put in the Appendix A.
- 21) Paragraph 7.5 (e) – Check the meaning of *FIV assessment* and the link with *LCF* and *HCF*.
- 22) Paragraph 7.4.6 (h) – It is not clear whether it exist a normative on the *Fintube* or not and what type of normative reference this is.

4. Next Meeting

The sub-PG agreed to schedule the next meeting on the 27-28 April in Brussels.

Annex I: Action list

Action Owner	Description	Deadline date
ETN	Review points 1) – 8)	27 April 2015
Solar	Review point 9)	27 April 2015
Total	Review points 10) – 19)	27 April 2015
Total	Follow-up with Frazer-Nash with regards to points 20) – 22)	27 April 2015