

**Minutes of the Technical Advisory Board for Mechanical Environments of the
Confederation for European Environmental Engineering Societies
Held on Thursday 17th October 2012 in Rotterdam, Netherlands**

Present at the Meeting of the Technical Advisory Board for Mechanical Environments (TABME) were;

Mr. Ad Bastikansen	PLOT
Mr. R Gassbeek	PLOT
Mr. Markku Juntunen	KOTEL
Dr. Kristof Harri	BSEE
Mr. Ronnie Van Leeuwen	PLOT
Mr. David Richards	SEE (Chairman)
Mr. Erik Wegkemp	PLOT

Matters Arising

As usual a list of TABME members, including corresponding members, this list is attached to the minutes as Attachment No 1.

CEEES Website – TABME Content

The reminded the group that much of the information previously discussed was now on the website. However, the group were remained that new information or suggestions was also welcome.

Systematisation of Measurement Methodologies

STANAG 4370. The Chairman reported that a meeting of the NATO group responsible for STANAG 4370 had occurred since the last CEEES meeting. However, he had nothing of significance to report

Def Stan 00-35. The chairman reported that work on issue 5 of Def Stan 00-35 continues within the UK. All the work necessary to generate drafts of the various (Part 5) chapters which set out the environments for transport & deployment was essentially complete. Work on two new chapters, relating to on Data Analysis and Date measurement, was underway.

IEC TC104. The chairman reported that a meeting of IEC TC104 working groups had occurred at Manching Germany a few weeks previously. The meeting of WG15 (the mechanical environments working group) had undertaken a final review of a new chapter on Storage and Handling. The chairman also reported that the maintenance team MT17 work on a new Non-Gaussian vibration test and a Time History Replication method was progressed. The chairman reported that at the meeting the German National Society announced that the new chairman of IEC TC104 was unable to attend and continue as chairman. In consequence, a request for nominations would be circulated, to the national committees participating in TC104.

Topics for Future Consideration

e-Document of Environmental Engineering. Little progress was reported. However, PLOT indicated they were looking at a similar initiative.

Vibration Test Round Robin. An exercise was reported on which was addressed in more detail the following day at the presentations. The meeting discussed this and concluded that a Pan European round robin may have advantage.

Any Other Business

The discussion on Non-Gaussian vibration testing and Time History Replication methods expanded into a general discussion on vibration testing methods. This encompassed multi-axis testing with which several attendees had experience. Again papers on this were to be presented the following day. Of particular note, within the discussion, was the use of multi-axis testing for reliability evaluation. A paper was mentioned by

the Chairman, written by Christine Peterson the immediate past President of the IEST, on identifying different failures using multi-axis testing than found in single axis testing. Although not a statistical proof of the differences, the work did indicate different types of failure.

A short presentation was made by Markku on “Reducing Costs and Maintaining Reliability Throughout the Product Life Cycle”. The TAB thanked him for this.

Next Meeting

The date of the next meeting of the TABME is planned for Thursday 21st February 2013 in Bruges, Belgium.

Attachments

- 1 Names and Addresses of TAMBE Members

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