

**Minutes of the Technical Advisory Board for Mechanical Environments of the
Confederation for European Environmental Engineering Societies
Held on 14th February 2008 at the Military Academy, Brussels, Belgium**

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

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|--------------------|----------------|
| Mr Ton Geise | PLOT |
| Mr Goran Jansson | SEES |
| Mr Markku Juntunen | KOTEL |
| Mr. David Richards | SEE (Chairman) |
| Mr Thomas Trost | SEES |
| Dr Karl Zieghan | GUS |
| Mr Uri Grossen | SSEE |

Matters Arising

The meeting received apologies for absence from Dr Ulrich Braunmiller. 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 the Allied Publications, associated with STANAG 4370 Issue 3 are now on the NATO web site as AECTP 100 to AECTP 500. Although, work on Issue 4 had been initiated, the chairman but had nothing new to report since the last meeting.

Mil Std 810G It was understood a revised draft of the standard was about to be circulated for comment.

Def Stan 00-35. The chairman reported that although work on issue 5 was underway, mostly this consisted of a storyboard of new advisory documents. The chairman reminded the group that the latest version of Def Stan 00-35 version 4 was now available at the UK Defence standard website; dstan.mod.uk.

IEC TC104. A number of meetings of IEC TC104 and various sub groups had been held in China the week before the last CEEES meeting. A meeting of the sub groups was planned for April and was to be held in Prague. The meeting of MT15 (the mechanical environments working group) were scheduled to address the comments on the road, rail and Jet aircraft environments.

DIN 30786/7/8/9. Ulrich Braunmiller had previously reported that he had taken over as chair of this work. However, as he was not at the meeting no progress report was received. [Chairmans note; DIN 30786, transportation loads - measurement and evaluation of dynamic mechanical loads, is now issued as EN 15433 and is in the same six parts; 1 General requirements, 2 Data Acquisition & general requirements for measurement systems, 3 Data validity checks and data editing, 4 Data evaluation, 5 Derivation of test specifications, -6 Automatic recording systems for measuring randomly occurring shocks during monitoring of transport].

CEN TC 261 SC5 WG14 – Test Methods & Test Schedules. At the last meeting Ulrich Braunmiller reported that ISO 13335 meeting in the US had decided not to use the vibration tests derived from the SRETS work. ISO 4180:2008 Packaging — Complete, filled transport packages — General rules for the compilation of performance test schedules has now been issued as an FDIS (final draft prior to issue) by ISO TC 122/SC 3/WG 10.

ISO 4180/1/2. Test Schedules. These are under review in ISO in parallel with CEN. Commonality between the two is looking unlikely. Two proposals have been tabled one for CEN and one for the ISO.

UN Orange Book. This item arose as the consequence of several proposals to include a vibration test. As this no longer seems to be the case the purpose of this item no longer exists. As an aside the Chairman said that he had attended a meeting in the UK which was intended to formulate a proposal to change some of the explosive classifications to gain a benefit from the use of insensitive munitions.

ISO TC 108. Nothing has been heard on the progress of a draft document on shock and vibration analysis. It had previously been observed that portions of this document were similar to the DIN Std discussed earlier and supplied to ISO & CEN as a PAS document.

Overview At a previous meeting the group had generated an overview of European and International work currently underway relating to transportation stresses. That overview was included as an attachment in the minutes of the last meeting. The list was not updated at this meeting.

Technical Presentation

Markku Juntunen gave an extended presentation on a related project he had been involved with at VTT. This was on methodologies for test tailoring and the output from which was an extensive report setting out practical help to users. He spent some time presenting the content, structure and scope of the report. In addition the group reviewed the detail of a few selected topics.

Markku indicated that it was planned that the report would be published within a few weeks of the meeting and would be available from XXXXXX.

Topics for Future Consideration

Previously the members of the TABME had previously identified a number of potential future topics for future consideration;

- Basic techniques for data collection / analysis.
- FDS / MRS - Potential variations between different methods.
- Test tailoring – “How do other people do it?”
- Lean testing and / or virtual testing
- Life estimation and Extension

Any Other Business

Next Meeting

The date of the next meeting of the TABME is planned for Thursday 25th September 2008 at Vantaa, Finland

Attachments

- 1 Names and Addresses of TAMBE Members
- 2 An Overview of European and International work

| Name | Country | Society | E-Mail | Telephone No | Mail Address |
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An Overview of European and International work

| Group / Standard | Connection with CEEES Working Group | Other Connections |
|---|---|--|
| ISO – TC 108 wg 26 &27 | | Marco Boncompagni |
| ISO – TC 122 | Thomas Trost | |
| ISO - Railway | | |
| IEC TC 104 | David Richards Aad Van Dorp Ueli Grossen Markku Juntunen | |
| CEN TC 261 | Ulrich Braunmiller Thomas Trost | |
| CEN TC 320 Transportation Services | | Soren Ostergaard |
| DIN 30787 (NAVP 1.4) | Ulrich Braunmiller | |
| BSI | David Richards | |
| UN Orange Book | | |
| Mil Std 810 | | Skip Connon |
| Nato Standard - AC310 | | David Richards |
| Nato Standard - AC301 | | Peter van Harmelen David Richards |
| Nato Standard - ITOPS | | |
| CEN Workshop Agreement Defence Procurement WS10 | | David Richards Goran Jansson Markku Juntunen |
| IEC Railways | | Odd Sylwan |
| CEN TC261/SC5/WG14 | Ulrich Braunmiller Thomas Trost | |