

**Minutes of the Technical Advisory Board for Mechanical Environments of the  
Confederation for European Environmental Engineering Societies  
Held on 25<sup>th</sup> September 2008 Held at Helsinki, Finland**

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

Dr Ulrich Braunmiller	GUS
Mr Markku Juntunen	KOTEL
Mr Olavi Nevalainen	KOTEL
Mr. David Richards	SEE (Chairman)
Mr Thomas Trost	SEES
Dr Karl Zieghan	GUS

### **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.** As previously reported work on Issue 4 has been initiated. Inputs to AECTP 200 were under discussion. Henri Grzeskowiak, had passed a copy of a technical document for inclusion. This had some commonality with the TABME methodologies paper. It was suggested that the TABME could review the document from Henri et al at the next meeting. At the CEEES General Assembly Henri said he would be pleased for the TABME to do this. The chairman took an action to circulate the relevant document prior to the next meeting.

**Mil Std 810G** The chairman reported that copies of the latest draft had been circulated for comment.

**Def Stan 00-35.** The chairman reported that although work on issue 5 was underway within the UK and mostly this consisted of an overall storyboard of new advisory documents. However, the story boards had become progressively more detailed going down to paragraph level for some of the new chapters encompassing generic information.

**IEC TC104.** The chairman reported that a meetings of IEC TC104 was planned for November at Oak Ridge in the US. The meeting of MT15 (the mechanical environments working group) were scheduled to address the comments on the road, rail and Jet aircraft environments. In addition the chairman reported that at previous meeting at Prague a broad agreement on the content of new mechanical chapters for 60721 Part 2. One of these was on the derivation of test severities from environmental levels. This was to be based around the process of NASA Handbook 7005.

**DIN 30786/7/8/9.** Ulrich Braunmiller reported that 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.** Nothing to report.

**ISO 4180/1/2. Test Schedules.** Ulrich Braunmiller reported that 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)

**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.

### **Topics for Future Consideration**

**e-Document of Environmental Engineering.** A discussion occurred on the possibility of creating an E-document of environmental engineering. As a starting point the Chairman offered a story board generated for the SEE website for similar purpose. Several members of the meeting had previously generated a comparison of different test procedures. That information could also form a useful contribution.

**Review of Test Derivation Methodology.** The Chairman reported that Henri Grzeskowiak had supplied a document, generated by French Group, which was intended for consideration for STANAG 4370 and specifically the AECTP 200 series. The TAB agreed that they should review the document at the next meeting. *Chairman's Note; a alternative submission from the US also exists and will be circulated.*

**Vibration Force Control.** Ulrich and Karl reported that a GUS group on Force Control had come to the end of its work. They said the group had made a round robin exercise and reported to a GUS meeting. Ulrich said he would invite the Chairman of that group to a future TAB meeting.

**Virtual Testing.** Markku reminded the meeting that BEST Product had initiated a group n Virtual Testing. At the moment there was no group leader but at the Brussels meeting some 20 people attended. Markku suggested that the purpose and objectives currently quoted on the EUREKA website need to be updated.

### **Any Other Business**

At the last meeting Markku Juntunen had given 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. Markku indicated that the report was now published and available from "TUPA Handbook" from [www.kotel.fi](http://www.kotel.fi).

### **Next Meeting**

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

### **Attachments**

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

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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		
ISO - Railway		
IEC TC 104	David Richards Aad Van Dorp Ueli Grossen Markku Juntunen	
CEN TC 261/SC4	Dr.- Ing. Karl-Friedrich Ziegahn	
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	