

**Minutes of the Technical Advisory Board for Mechanical Environments of the
Confederation for European Environmental Engineering Societies
Held on 12th February 2009 Held at Brussels, Belgium**

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

Dr Ulrich Braunmiller	GUS
Dr Kristof Harri	BSEE
Mr Göran Jansson	SEES
Mr Markku Juntunen	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. Henri Grzeskowiak, had passed a copy of a contribution for AECTP 2410 for comment by the group. This had some commonality with the TABME methodologies paper. The TABME reviewed the document from Henri.

Mil Std 810G It was reported the latest version was now published.

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. The story boards had become progressively more detailed and some new chapters encompassing generic transportation environmental information and a document related to modal comparison exercises. The chairman undertook to supply these for discussion at the next meeting.

IEC TC104. The chairman reported that a meetings of IEC TC104 had taken place the previous November at Oak Ridge in the US. The meeting of WG15 (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 gave a brief update.

CEN TC 261 SC5 WG14 – Test Methods & Test Schedules. Nothing to report.

ISO 4180/1/2. Test Schedules. Nothing to report.

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. Following the discussion at the last meeting, Karl suggested the use of EIT to find previous training documents on environmental engineering. . He said GUS had set up a training course for environmental engineering at Nuremberg.

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 generated 4 reports between 1996 and 2007. The skills still exist but the group had concluded its work. In the course of the work they had made a round robin exercise involving sending a item t a variety of laboratories and doing the same test. . Ulrich said the GUS work was based upon NASA-Hdbk-7004B Force limiting vibration testing.

Vibration Test Round Robin. As a continuation of the above discussion the TAB considered the possibility of a testing round robin. This will addressed further at the next meeting.

Virtual Testing. Markku reminded the meeting that BEST Product had initiated a group on 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. The chairman reported that work on a structural validation strategy was close to completion within the UK.

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 reviewed this document in some detail.

Any Other Business

Thomas Trost raised a query with the TAB which was addressed outside the meeting.

Next Meeting

The date of the next meeting of the TABME is planned for Thursday 24th September 2009 at Oporto Portugal.

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
David Richards	UK	SEE	Dave.richards@ environmental.org.uk or dave.p.richards@lmco.com	+44 01525 843667	Lockheed Martin UK Insys Ltd; Reddings Wood; Ampthill, Bedfordshire; MK45 2HD. United Kingdom
Thomas Trost	Sweden	SEES	thomas.trost@stfi.se	+46 8676 7087	STFI – Packforsk AB Mail Box 9, SE-16493 Kista Stockholm, Sweden
Ulrich Braunmiller	Germany	GUS	bra@ict.fhg.de	+49 721 4640 116	Fraunhofer-Institut für Chemische Technologie Joseph-von-Fraunhofer-Str. 7, D-76327 Pfinztal (Berghausen), Germany
Markku Juntunen	Finland	KOTEL	Markku.juntunen@vtt.fi	+35 89405608645	VTT Metallimiehenkuja 6, Espoo, PO Box 1000, FIN-02044 VTT, Finland
Göran Jansson	Sweden	SEES	goran.jansson@testcenter.se	+4658684508	Bofors Test Center Box 418, S-69127 Karlskoga, Sweden
Dr.- Ing. Karl- Friedrich Ziegahn	Germany	GUS	kfz@umwelt.fzk.de	+49 7247 82 8590	Forschungszentrum Karlsruhe FZK Postfach 3640, 76021 Karlsruhe, Germany
Mr Olavi Nevalainen	Finland	KOTEL	olavi.nevalainen@vtt.fi	+358 207225642	VTT Expert Services Otakarri 7B, Espoo, PO Box 1000, FIN-02044 VTT
Ton Geise	Netherlands	PLOT	Ton.geise@jjbosbv.nl	+31 102 619333	J.J. Bos B.V. Marconistraat 11; 2809 PH Gouda; The Netherlands
Mr B. Belotti	Italy	AITP	mbelotti@iol.it	+39 255308223	Belotti Sistemi S.A.S. Piazza Trento 6, 20135 Milano, Italy
Mr Eckhard Schneider	Germany	GUS	schneider-eckhard@ t-online.de	+49 42 06 41 93 60	SIMTEC Heiligenroder Strasse 42A, D-288 16 Stuhr, Germany
Mr Ueli Grossen	Switzerland	SSEE	Ueli.grossen@ruag.com	+41 33 228 30 48	RUAG Landsystems (Umweltsimulation) Labor 2, Allmendstasse 86, CH3602 Thun

Name	Country	Society	E-Mail	Telephone No	Mail Address
Mr J Fritz	Germany	GUS	Josef.fritz@t-online.de	+49 89 607 23604	Astrium Gmbh 81663 Munich, Germany
Mr L Kushel	Germany	GUS	Lutz.kuschel@smt-hybrid	+49 351 266 130	SMT & Hybrid gmbh An der Priessizitzaue 22, D -01474 Weissig Dresden, Germany
Mr Jouni Siren	Sweden	SEES	jouni.siren@dynamics.saab.se	+46 58682937	SAAB Bofors Dynamics AB SE 69180 Karlskoga, Sweden
Ir. Ivan Malfait	Belgium	BEST	Ivan.malfait@barco.com	+32 56233422	BARCO President Kennedy Park 35, B-8500, Kortrijk, Belgium
Mr Ronnie Van Leeuwen	Netherlands	PLOT	Ron.vanleeuwen@nl.thalesgroup.com	+31 402503714	Thales Cryogenics B.V. Hooge Zijde 14, NL-5626 DC, PO Box 6034, NL-5600 HA, Eindhoven, The Netherlands
Dr Kristof Harri	Belgium	BSEE	Kristof.harri@rmcoc.be	+32 2742 6683	Royal Military Academy, Dept of Mechanics, Renaissancelaan 30, 1000 Brussels, Belgium

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	