

**Minutes of the Dynamic Technical Advisory Board of the
Confederation for European Environmental Engineering Societies
Held on 22nd February 2002 at the Hotel Club Prince Albert, Brussels**

Present at the Meeting of the Dynamic Technical Advisory Board (DTAB) were;

Dr U. Braunmiller	GUS
Mr M. Dumelin	SSEE
Mr E. Furrer	GUS
Mr T. Geise	PLOT
Mr R. Hansson	SEES
Mr G. Jansson	SEES
Mr M. Juntunen	SEEF
Mr J. Siren	SEES
Mr R. Sjoborg	SEES
Mr. D. Richards	SEE (Chairman)
Mr T. Trost	SEES
Dr K Zieghan	GUS

Matters Arising

Apologies were received from Dr P. Dehombreux.

A list of DTAB members, including corresponding members, was circulated. As usual this list is attached to the minutes as Attachment No 1.

Although the meeting was relatively short, it continued latter in the day. Also a number of issues were addressed in the following days workshop.

Systematisation of Measurement Methodologies

A consequence of the events on 11th September 2001 a number of international meeting had not met.

CEN TC 261 . It was reported that no meetings of this group had occurred since the last meeting of the TSWG.

DIN 30787. Work on this standard was addressed in the following days workshop. The English translation of the DIN was now complete and has been offered to ISO. (Chairmans note: electronic (PDF) copies of this English version were also circulated at the IEC TC 104 meeting by the German DNV organisation).

IEC TC104. David Richards reported no meeting had occurred since the last TSWG meeting, although a meeting was planned for 10th April 2002 in Frankfurt.

STANAG 4370. The next meeting of the NATO group updating this military standard was planned for 8th April 2002.

Mil Std 810F Nothing to report

Miscellaneous. At the last TSWG meeting Karl had mentioned work by the BAM organisation (based in Berlin). At the following days workshop a presentation was made by BAM of shipping loads on ISO containers.

Overview At the last meeting the group produced a draft 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 this meeting the chart was reviewed and updated. The updated version is include here as attachment No 2. Chairmans Note: It is intended to review this chart on a regular basis.

Technical Papers

Working Practices

A significant amount of discussions occurred on the possibility of the group generating a “working practices” document on the subject of deriving environmental and test severities from measured data. The discussion started at the last meeting as little advice on this subject appeared available on this critical step in establishing the capability of equipment, products and packages.

The initial discussion centred on the target audience for a working practices document. Karl & Thomas suggested an internet platform or bulletin board for discussion of the subject between experts. It was further suggested by Ed & Ulrich that use be made of the Round Robin contributors.

Ulrich suggested that each methodology is in fact part of a larger process. This was agreed and the working practices would need an overview of the larger process. It was further agreed that all the DTAB participants would review the process set out in Figure A1 of the AECTP 200 document circulated to members (reproduced here as Attachment No 3).

ACTION – All Members

Discussion occurred on the likely content of the working practices with regard each method. It was suggested that one of the documents circulated at the meeting could form the basis for the part of document relating to road transportation. However, it was proposed that this document would need expanding for the working practices to describe each method in terms of the following; overview, description, limitations, assumptions and tracability. The chairman undertook to prepare a modified version of the existing paper and circulate for additional input.

ACTION – Chairman
ACTION – All Members

A suggestion was made that a comparison of the various methods may be required. In such a case some thought would be needed to create a number of suitable “test cases”.

Future Methods of Transportation Testing. This was left open for the next meeting.

Round Robin Exercise & Monograph. This was left open for the next meeting.

Any Other Business

Thomas Trost gave a brief presentation on the a new Eureka project E2606 “Handling Stresses due to Terminal Handling and Transport.

Post Meeting Discussions

Following the official DTAB meeting a number of the group met to discuss the paper, supplied by Marcus and the SSEE, “Guide for the Analysis of Digital Shock Data”. A number of comments were made and the remaining group undertook to review the document.

Additional Information

After the meeting Marcus indicated that he had forgotten to raise an issue during any other business. He asked, whether some additional information could be added to the minutes. Rolf Finger telephoned a few days latter with the information. Essentially the SSEE have been looking at a “smart” accelerometer which is able to perform a range of programmable functions. The interest from the viewpoint of the SSEE is to identify shocks from within transportation vibrations such as those in the round robin exercise. The “smart” accelerometer currently does not perform this function but the suppliers indicate it could be programmed to do so. However, the cost of generating the software would be Euro 10000. Rolf and Marcus wanted to ask the DTAB whether other participants wanted to share this cost. Chairmans note: Please contact Marcus if interested.

The “smart” accelerometer is made by an Italian company and information can be found at sequoiaonline.com.

Next Meeting

The date of the next meeting of the DTAB is planned for 19th September 2002 in Bruges, Belgium

Attachments

- 1 Names and Addresses of DTAB Members
- 2 An Overview of European and International work
- 3 Derivation of Environmental Description from Measured Data (AECTP200)

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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		Kjell Ahlin
ISO – TC 122	Thomas Trost	
ISO - Railway		
IEC TC 104	David Aad Marrkkus Marku	Trygrve Hell
CEN TC 261	Ulrich Thomas	
CEN TC 320 Transport Serices		Soren Ostergard
DIN 30787	Ulrich Karl	Ed Furrer
BSI	David	
UN Orange Book		
Mil Std 810		Skip Connon
Nato Standard - AC310	David	
Nato Standard - AC301	David Markus	Peter van Harmelen
Nato Standard - ITOPS		

