

**Minutes of the Transport Stresses Working Group of the
Committee for European Environmental Engineering Societies
Held on 15th February 2001 at the Hotel Europa Inter-Continental, Brussels, Belgium**

Present at the Meeting of the Transportation Stresses Working Group (TSWG) were;

Prof W Bosschaerts	BSMEE
Dr U. Braunmiller	GUS
Mr M. Dumelin	SSEE
Mr H. Jansen	PLOT
Mr M. Juntunen	SEEF
Mr. D. Richards	SEE (Chairman)
Mr V. Salminen	SEEF
Mr T. Trost	SEES
Dr K. Zieghan	GUS (part time)

(sorry if I missed anybody but I did not keep a full list of those present)

Matters Arising

Apologies were received from, J. Moriceau, Dr P. Dehombreux & Mr E. Furrer.

A list of TSWG members, including corresponding members, was circulated. As usual this list is attached to the minutes as Attachment No 1. The Chairman asked whether the electronic circulation of the minutes of the last meeting had caused any problems. The members indicated circulation of the minutes by E-mail was acceptable.

As the meeting was scheduled for a period of only 2½ hours, the agenda had to be, by necessity, limited. The draft agenda, circulated prior to the meeting, asked the members to select their priority items from 6 options. As, no real consensus existed, the chairman selected the topics for discussion based upon the majority view.

Systematisation of Measurement Methodologies

CEN TC 261 . The last meeting of this group occurred it was agreed that the test severities derived from the SRETS work would be “smoothed out”. The group had now agreed a test procedure and had retained 3 options for the severities (as recommended by SRETS). The next meeting will be a combined meeting of CEN and ISO. It was further reported that the test schedules (i.e. test sequence) were still to be agreed, it was suggested that this partly because of the lack of interest.

DIN 30787. It was reported that no meetings had occurred since the last meeting of the TSWG. The chairman wondered whether a workshop (within the TSWG) on 30787 would be worthwhile at some point in the future. Many members of the TSWG were not present at some of the earlier discussions. Now that the document is close to completion it may be a convenient time to do so.

IEC TC104. David Richards reported no meeting had occurred since the last TSWG meeting. (*chairman’s note: it was intended to report that the new SRS test was now on circulation to the national committees for comment by April*).

Technical Papers. Markku Juntunen gave a brief presentation on the paper he intended to give at the next meeting of the IEST. The paper is entitled “Development of Shock and Vibration Test Specifications in Automobile Environment”.

Discussion Options

The remainder of the meeting addressed, to some extent, all six of the agenda put up for discussion. However, some of these were addressed only briefly due to time constraints. *Chairman’s note: a number of papers were tabled in support of the various options. Most of these had been circulated previously, but if anybody requires further copies please contact the chairman.*

The Comparison of Vibration from Different Transportation Modes. A brief presentation was given by David Richards on the use of FDS and MRS techniques to compare the vibration severities from different transportation modes. A copy of the paper is attached as a Attachment No 2.

Future Methods of Transportation Testing. A paper presented at an earlier meeting was revisited and a general discussion ensued on the use of shock on random vibration tests.

Harro discussed a problem he had recently experienced.

Marcus set out problems he had experienced in undertaking shock on vibration tests.

Thomas reported that packforsk had been undertaking combined shock and vibration tests since 1985 using hydraulic vibration systems.

Marcus said that he had used a programme of vibration followed by shock testing, on a vibrator, in each axis in turn. This was going part way to a combined test and made appreciable savings on testing costs.

Ulrich indicated that the SRETS work had briefly addressed a number of ways of undertaking “loose cargo” testing on vibrators.

The chairman suggested the possibility of CEEES looking at the feasibility of a range of combined shock and vibration tests, with the intent of submitting a New Work Item Proposal to ISO/IEC.

Standards Report. At a previous meeting it was suggested that the TSWG attempt to produce an overview of European and international work currently underway relating to transportation stresses. Mainly due to lack of time this item was not progressed at the meeting.

Monograph on Round Robin Methodologies. The chairman apologised that this was not yet complete. Work continues on this topic.

Round Robin Exercise

No time was available to discuss the Round Robin exercise. In consequence the discussion was deferred till the next meeting.

Any Other Business

Markku said he would like to discuss the Round Robin Exercise at the next meeting.

Marcus reported that his company was running a course on HALT and HAS testing.

Ulrich suggested that the Objectives, Terms of Reference and Aims of the group be reviewed. He also suggested the possibility of a change of name of the TSWG.

Thomas Trost volunteered as deputy chairman.

Next Meeting

The date of the next meeting of the TSWG is planned for 20th September 2001.

Attachments

- 1 Names and Addresses of TSWG Members
- 2 Paper on the Comparison of Transportation Vibrations using FDS/MRS methods

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