

**Minutes of the Transport Stresses Working Group of the  
Committee for European Environmental Engineering Societies  
Held on 22nd September 1999 at CHAM Switzerland**

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

Mr C. Broussy	ASTE
Mr. M. Dumelin	SSEE
Mr R. Finger	SSEE
Mr H. Jansen	PLOT
Mr M. Juntunen	SEEF
Mr. D. Richards	SEE (Chairman)
Mr E. Rudolphi	SEES
Mr T. Trost	SEES
Mr R Villigers	SSEE
Dr K. Zieghan	GUS

### **Matters Arising**

The group welcomed Erik Rudolphi and Robert Villiger. Apologies were received from K. Ahlin and J. Moriceau, Dr P. Dehombreux.

A list of TSWG members, including corresponding members, was circulated. This list is attached to the minutes as Attachment No 1.

### **Systematisation of Measurement Methodologies**

**CEN TC 261** Thomas Trost reported that the next meeting would be occurring the week after the CEEES meeting. Ulrich will be attending and intends presenting the SRETS data.

**CEN TC 320 (Transport Quality)**. Karl Ziegahn reported no news from this group.

**DIN 30787**. Karl reported that parts 1 to 6 were now available. However, he indicated that they may not yet have been sent to CEN & ISO. English language drafts of this DIN are available from the chairman. Thomas and Marcus requested copies.

**IEC TC104 WG 15**. David Richards reported on the recent TC 104 Working Group 15 meeting. This working group was created to establish databases on dynamic environments for inclusion in IEC 680721. The databases that need to be identified include transportation (by road, rail, sea and air) as well as deployment in such vehicles. The chairman asked to be informed if that anybody who knew of such databases (they only need to be identified at this time).

**IEC TC104 Testing of Soft Packages**. The chairman reported that he understood that the preliminary report of this Swedish led work was shortly to be submitted to IEC.

**ISO TC 108**. The chairman reported that two new working groups had been proposed to set out methods of vibration and shock analysis. Although the work proposal had yet to be submitted for national approval, the TC had provisionally agreed to go ahead. It is likely that the vibration and shock groups will be run "back to back" at the same meeting locations thus permitting the same people to attend both. The chairman agreed to supply the working groups Terms of Reference and contact information for the chairmen. (Included as Attachment No 2)

**SRETS**. Ulrich Braunmiller had sent in a brief summary of the SRETS work. Essentially the work is complete and the final report is now finished. A copy of the final report was requested by Rolf, Markku and Marcus.

**Standards Report.** It was suggested that the TSWG attempt to produce an overview of European and international work currently underway relating to transportation stresses. Thomas suggested that his 1995 overview may be a good starting point. Chairmans note; Thomas supplied this after the meeting an is included as Attachment No 3.

**Plot Measurement Programme.** Harro Jansen updated the group on the work programme proposed by PLOT to acquire transportation data. He stated that they had developed a new project plan. This had indicted that the task required a full time manager as such the Institution of Agriculture was to supplying a project leader as a “commercial” venture. Harro showed the group a flyer (in Dutch) for the work, he agreed to supply a copy of this for circulation to the TSWG. Harro listed the main companies likely to be taking part in the work. The current plan was to “sign” these up by November 1999.

**Monograph on Round Robin Methodologies.** The chairman apologised that this was not yet complete. A copy of the draft had been circulated before the previous meeting for discussion. However, time did not permit this. Work continues on this topic. Copies of the draft are available from the chairman.

### **Round Robin Exercise**

Although it was intended to discuss the Round Robin exercise, several members of the group were not able to support such a discussion at this meeting. In consequence the discussion was deferred till the next meeting. The chairman supplied a paper from Kjell Ahlin which described the method he had developed from the exercise. Copies of a paper summarising the results of the first round robin and the revised results of the second round robin exercise had been circulated at the last meeting and copies were still available from the chairman.

### **Future Testing Methods**

The chairman made a presentation based partly upon data from the SRETS work. The purpose of the presentation was to initiate discussion on the areas of work, relating to transportation stresses, on which the TSWG could profitably contribute. The topic that arose from the discussion was the potential testing techniques that could be viable and advantageous in say 10 years time. The intent is to identify future testing possibilities, their advantage and disadvantages, with the aim of initiating “workshop” type discussions. The chairman undertook to prepare a short discussion paper. The SRETS data was extracted from a recent presentation made jointly by David Richards and Richard Roberts (from PIRA in the UK). Copies of the VU foils were requested by Rolf, Markku and Marcus, further copies are available from the chairman.

### **Any Other Business**

There was no other business.

### **Next Meeting**

The date of the next meeting of the TSWG is planned for 3rd March 1999 in Paris.

### **Attachments**

- 1 Names and Addresses of TSWG Members
- 2 TOR for new ISO TC 108 working Groups
- 3 1995 Overview of European and international work

### **Distribution**

As attachment 1  
plus CEEES President and Secretariat

**Attachment 1**  
**Names and Addresses of TSWG Members**

**Attachment 2**  
**TOR for new ISO TC 108 working Groups**

**Attachment 3**  
**1995 Overview Of European And International Work**