

Reports on the Meetings of ISO/TC108 Mechanical Vibration and Shock and ISO/TC108/SC3 Use and Calibration of Shock Measuring Instruments

Tokyo, Nov. 4 - 8, 2002

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| <p>1. Schedule for the meetings of ISO/TC108 Mechanical vibration and shock and ISO/TC108/SC3 Use and calibration of shock measuring instruments</p> <p>2. Minutes for the seventh meeting of ISO/TC108/WG23 Mechanical vibration and shock - Resilient mounting systems - Information for the application of source and receiver isolation</p> <p>3. Minutes of the meeting of ISO/TC108/</p> | <p>WG28 Characterization of the dynamic mechanical properties of resilient visco-elastic materials</p> <p>4. Minutes of ISO/TC108/WG1 Terminology</p> <p>5. Resolutions adopted at the 25th meeting of ISO/TC108/SC3 "Mechanical vibration and shock - Use and calibration of vibration and shock measuring instruments</p> <p>6. Next Meeting</p> |
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1. Schedule for the Tokyo meetings of ISO/TC108 Mechanical vibration and shock and ISO/TC108/SC3 Use and calibration of shock measuring instruments

	Monday 04-Nov			Tuesday 05-Nov		
9 00 - 12 00	TC108 & SC3 Plenary Meetings (3F Room 302)			TC108/WG 26 & 27 Signal Processing (11F Room Ume)	SC3/WG10 Vibration CM transducers & instrumentation (11F Room Sakura)	X
Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

14 00 - 17 00	TC108/WG 26 & 27 Signal Processing (3F Room 302)	SC3/WG10 Vibration CM transducers & instrumentation (3F Room 309)	TC108/WG 26 & 27 Signal Processing (11F Room Ume)	SC3/WG10 Vibration CM transducers & instrumentation (11F Room Sakura)	TC108/WG25 Condition monitoring of structures (11F Room Take)
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Wednesday 06-Nov		Thursday 07-Nov		Friday 08-Nov	
TC108/WG23 Vibration & shock isolation (11F Room Ume)	SC3/WG6 Calibration of vibration & shock transducers (11F Room Sakura)	SC3/WG6 Calibration of vibration & shock transducers (11F Room Sakura)		TC108/WG24 Condition assessment of structural systems from dynamic response measurements (11F Room Take)	TC108/WG1 Vocabulary (Room Sakura)
Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
TC108/WG28 Vibration materials (11F Room Ume)	SC3/WG6 Calibration of vibration & shock transducers (11F Room Sakura)	TC108/WG1 Vocabulary (11F Room Sakura)		TC108 & SC3 Plenary Meetings (11F Room Hakuchou)	

2. Minutes for the seventh meeting of ISO/TC108/WG23 Mechanical vibration and shock - Resilient mounting systems - Information for the application of source and receiver isolation

1) The convener opened the meeting at 9 00 and the members introduced themselves. A list of those in attendance is given below.

2) The agenda, ISO/TC108/WG23 N 33, was approved.

3) The minutes of the Vienna meeting, ISO/TC108/WG23 N 32, were approved.

4) A proposed working draft of the preliminary work item "Information for the application of source and receiver isolation for railway

systems" was discussed in detail. Some significant points of the discussion include:

- The title of the document is changed to "Mechanical vibration and shock - Resilient mounting systems -Part 2: Information for the application of vibration isolation associated with railway systems"

- The convener will relay the proposed definition of "railway system" to the convener of SC2/WG8.

5) The result of voting on CD 2017-1 was discussed (ISO/TC108 N 842), and comments were addressed. The decisions of the WG were entered into the template.

6) A WG meeting is proposed for June 2003 in Paris at a date and place to be determined.

7) Resolutions

- (1) WG23 resolves that the revised text of CD 2017-1 “Mechanical vibration and shock -Resilient mounting systems - Information for the application of source and receiver isolation” should be submitted to the Secretariat by 30 November 2002 for processing as a DIS.
- (2) WG23 resolves that the revised text of WD2017-2 “Mechanical vibration and shock -Resilient mounting systems-Part 2: Information for the application of

vibration isolation associated with railway systems” be submitted to the Secretariat by 30 November 2002 for circulation as a NP with a request for comments from the member bodies.

8) The status of 2017-1 was discussed. It has been nearly 6years since this work item was registered with ISO. The secretariat has recently been notified by ISO that the work is in danger of being deleted from the work program because of this. The Secretary will urge ISO to maintain the document in the work program in recognition of the progress that has been made over the past year.

9) The meeting was adjourned at 12 30.

Attendance List

NAME	E-mail address	Country
Tantawy, Talaat(Convenor)	talaat.tantawy@freebee.fr	France
Gellatley, Mike	gellatmi@email.lui.co.uk	UK
Gross, Thomas	THOMAS.GROSS@DIN.NE	Germany
Iida, Hiroshi	iida@uitech.ac.jp	Japan
Kim, Kwang-Joon	kjkim@mail.kaist.ac.kr	Korea
Madigosky, Walter	wmadigosky@yahoo.com	US
Maguire, John	john.maguire@lr.org	UK
Mottard, Guy	Guy.mottard@environment.gouv.fr	France
Yokoyama, Hidehumi	yoko@rtri.or.jp	Japan
Blaeser, Susan	sblaeser@aip.org	Secretary, TC108

3. Minutes of the meeting of ISO/TC108/WG28 Characterization of the Dynamic Mechanical Properties of Resilient Visco-Elastic Materials

1) The convener opened the meeting at 14 00 and those present introduced themselves. An attendance list is given at the end of this document.

2) The membership list was reviewed. Mr. Iida indicated that Japan will appoint an expert as soon as possible.

3) The minutes of the meeting held in Vienna, Austria, (ISO/TC108/WG28 N9), were approved.

4) The result of voting and comments on 2nd CD 18437-2.2 (N825) was discussed and responses were agreed.

5) The result of voting and comments on 2nd CD 18437-3.2 (N832) was discussed and responses were agreed.

6) Two versions of PWI 18437-4, Impedance Method, N 12 and N13 were distributed and

discussed. In addition, N14, comments from Gilbert Lee (US) were distributed and discussed. Agreement was reached on proposed changes to be made to the document prior to the circulation of the NP. Mr. Kim will provide a revised draft to the convener within a month.

7) The following resolutions were approved:

(1) WG28 asks the convener to submit the revised text of 18437-2 to the Secretariat by 15 December 2002 for DIS voting.

(2) WG28 asks the convener to submit the revised text of 18437-3 to the Secretariat by 15 December 2002 for DIS voting.

(3) WG28 recommends that the revised working draft 18437-4 be circulated to the member bodies as a new work item proposal (NP) when it is submitted by the convener.

8) The next working group meeting will be held in Paris during June 2003 at a place and date to be determined.

9) The meeting was adjourned at 5 00.

Attendance List

NAME	E-mail address	Country
Madigosky, Walter	wmadigosky@yahoo.com	US
Iida, Hiroshi	iida@uitec.ac.jp	Japan
Kim, Kwang-Joon	kjkim@mail.kaist.ac.kr	Korea
Tantawy, Talaat(Convenor)	talaat.tantawy@freebee.fr	France
Yoon, Young-Sang	yoonyys@ats.go.kr	Korea
Blaeser, Susan	sblaeser@aip.org	Secretary, TC108

4. Minutes of ISO/TC108/WG1 Terminology

Convener: Michael Gross (UK)

1. Opening of meeting

Mr. Gross opened the meeting at 14 00. Mr. Douglas outlined the status of the document and need for revision.

2. Role call of delegates

The delegates present introduced themselves. The attendance list is given at the end of this document.

3. Approval of draft agenda

The agenda N165 was approved.

4. Approval of minutes of the Vienna meeting

The minutes (N164) of the Vienna meeting on 19th March 2001 were approved.

5. Status ISO 2041

Mr. Gross expressed appreciation to DIN, which provided an electronic copy of the document for use in this review. It was noted, however, that the electronic copy provided does not include Annex B or Annex C, which are included in the published document.

Mr. Gross noted that it is his goal to move to the WD level within one year.

6. Consideration of comment on ISO 2041 received to date (N 165)

Subsequent to the circulation of N165, documents N 167, 169 and 170 were circulated. To facilitate this discussion, Mr. Gross combined these documents and it was this document (N 171), which was used, in electronic format only, as the basis for this discussion.

7. Future work on Revision of ISO 2041

Mr. Gross reminded the participants that if they wish to become an official member of this WG

they must be appointed by their national member body.

Additionally, SC2 and SC4 are urged to appoint experts to serve as liaison to WG1 as soon as possible.

8. Any other business

No new business was proposed.

9. Date of next meeting

Mr. Licht will explore the possibility of setting up an online meeting of the working group.

The next formal meeting of WG1 will be scheduled in conjunction with the next meeting of TC108, at a time and place to be determined.

10. Resolutions

WG1 asks Mr. Gross to proceed with the task of editing WG1 N172 PWI 2041 according to the comments received and circulate the revised document within the WG.

NAME	E-mail address	Country	Nov.7	Nov.8
Gross, Michael	mikeirenegross@compuserve.com	Convenor, WG1, UK	X	X
Armstrong, Martin	Martin.Armstrong@bkgb.co.uk	UK	X	X
Douglas, Bruce	bruce.douglas@worldnet.att.net	Chair, TC108	X	
Evans, David J.	dje@nist.gov	US	X	X
Gaumond, Charles	gaumond@nrl.navy.mil	US	X	
Gross, Thomas	thomas.gross@din.de	Germany		X
Hackstein, Holger	holger.hackstein@bkvibro.de	Germany	X	X
Kim, Kwang-Joon	kikim@mail.kaist.ac.kr	Korea	X	X
Licht, Torben	trlicht@bksv.com	Denmark	X	X
Maguire, John	John.Maguire@lr.org	UK	X	
Martens, Hans	Hans-jurgen.v.martens@ptb.de	Germany	X	X
Ono, Kyosuke	ono@mech.titech.ac.jp	Japan	X	X
Parkinson, Alex	a.parkinson@open.ac.k	UK	X	X
Wong, George	George.wong@nrc.ca	Canada	X	
Yoon, Young Sang	yoony@ats.go.kr	Korea	X	
Blaeser, Susan	sblaeser@aip.org	Secretary, TC108	X	X

5 Resolutions adopted at the 25th meeting of ISO/TC108/SC3 "Mechanical vibration and shock – Use and calibration of vibration and shock measuring instruments"

RESOLUTION 1 - CD 8041

ISO/TC108/SC 3 asks JWG 1 to complete the review of the comments on doc. N 367: 2nd ISO/CD 8041 "Human response to vibration - Measuring instrumentation", given in doc. N 371, and to prepare a revised document. The convener of JWG 1, Mr. Paul Pitts, UK, is asked to send the revised document to the secretariat before 2003-03-31, and the secretariat is requested to send it to the ISO

Central Secretariat for circulation as a Draft International Standard.

RESOLUTION 2 - CD 16063-22

ISO/TC108/SC 3 approves doc. N 380, 2nd ISO/CD 16063-22 "Methods for the calibration of vibration and shock transducers - Part 22: Shock calibration by comparison to a reference transducer (Revision of ISO 53474:1993)" and asks the secretariat to send it to the ISO Central Secretariat for circulation as an International Standard.

RESOLUTION 3 – PWI 16063-15

ISO/TC108/SC 3 supports the proposal to upgrade PWI 16063-15 “Methods for the calibration of vibration and shock transducers - Part 15: Primary vibration calibration of angular transducers using laser interferometry” to an active work item. It requests the secretariat to circulate a new work item proposal to the member bodies of ISO/TC108/SC 3 for voting together with the amended document 108/3/WG 6 N 123 prepared by WG 6 and to invite the member bodies to submit comments on this document as a first CD.

RESOLUTION 4 - New convener of WG 10

ISO/TC108/SC3 appoints Mr. Holger Hackstein, Germany, as new convener of WG 10 “Vibration condition monitoring transducers and instrumentation”.

RESOLUTION 5 -Preliminary work items

ISO/TC 108/SC 3 decides to leave the following preliminary items at the preliminary stage:

- PWI 6-16063-14 “Methods for the calibration of vibration and shock transducers - Part 14: Primary calibration by high impact shocks (Revision of ISO 5347-10:1993)”
- PWI 6-16063-23 “Methods for the calibration of vibration and shock transducers - Part 23: Angular vibration calibration by comparison to reference transducers”
- PWI 6-16063-31 “Methods for the calibration of vibration and shock transducers -Part 31: Testing of transverse vibration sensitivity (Revision of ISO 5347-1 1 :1993)”
- PWI 10-13377 “Transducers and instrumentation for vibration condition monitoring of machines”
- PWI 16427 “Instrumentation for mechanical power flow measurements”

Next Meeting: Adelaide in February
2004