

ISO/TC 108 and ISO TC 108/SC 3 LIAISONE to the CCAUV

By: Ian Veldman

1) Introduction

The 33rd Meeting of ISO/TC108 "Mechanical vibration, shock and condition monitoring" took place in March 2015 in Paris, France. The meetings were hosted by Association Française de Normalisation (AFNOR).

Various Sub Committees (SC) and Working Groups (WG) met during this period as well, with the work program of SC 3/WG 6 "Use and calibration of vibration and shock measuring instruments" being the most relevant to the CCAUV.

2) Parallel Sessions

ISO/TC 108

ISO/TC108/WG 1
ISO/TC108/WG 24
ISO/TC108/WG 28
ISO/TC108/WG 29

ISO/TC108/SC3

ISO/TC108/SC 3/WG 6
ISO/TC108/SC 3/WG 1

ISO/TC108/SC 6

ISO/TC108/SC 6/WG 3

3) Resolutions taken at meeting

3.1) Extension of chair's terms of office

ISO/TC 108/SC 3 acknowledged that the stability, the deeply respected technical knowledge, continued personal engagement and fair leadership of the past chair, Mr Torben Licht, is the best assurance for continuing the work of SC 3 at the present highly recognised level in accordance with the visions of the ISO/IEC Directives for leadership of ISO committees.

The committee approved the extension of the chairmanship of Mr Torben Licht for another 3 year period, starting on 2015-01-01. At the same time the secretariat will create a succession plan in order to select a chairman as required by the ISO/CS.

3.2 ISO 8041 Amendment to FDIS

ISO/TC 108/SC 3 decided to proceed with the amendment to ISO 8041:2005 "Human response to vibration – Measuring instrumentation" in the form of a consolidated version for an FDIS voting following the finalisation of the document after the DAM voting.

3.3) PWI 19664

ISO/TC 108/SC 3 confirmed PWI 19664 with the new title "Human response to vibration – Guidance and terminology for instrumentation and equipment for the assessment of daily vibration exposure in the workplace according to the requirements of health and safety". Mr Uwe Kaulbars, Germany, is the project leader.

3.4) DIS 16063-32

ISO/TC 108/SC 3 requested the project leader, Mr Andrey Smirnov, Russian Federation, to prepare a revision of DIS 16063-32 "Methods for the calibration of vibration and shock transducers – Part 32: Resonance testing – Testing the frequency and phase response of accelerometers by means of shock excitation" incorporating amendments agreed upon at the meeting of WG 6 and to submit it to the secretariat.

3.5) DIS 16063-43

ISO/TC 108/SC 3 approved revised DIS 16063-43 "Methods for the calibration of vibration and shock transducers – Part 43: Calibration of accelerometers by model-based parameter identification" for publication.

3.6) CD 16063-33

ISO/TC 108/SC 3 requested the project leader, Mr Zumei Fang, China, to prepare a revision the second CD 16063-33 "Methods for the calibration of vibration and shock transducers – Part 33: Testing of magnetic field sensitivity" incorporating amendments agreed upon at the meeting of WG 6 as well as further technical revisions and inclusions to be prepared as also decided at the meeting.

The revised text will be submitted to the secretariat for circulation as a third CD for voting and comments to be considered at the next meeting of WG 6.

3.7) CD 16063-17

ISO/TC 108/SC 3 approved first CD 16063-17 "Methods for the calibration of vibration and shock transducers – Part 17: Primary calibration by centrifuge" for DIS voting.

3.8) ISO 16063-1 Amendment

ISO/TC 108/SC 3 decided to prepare an amendment to ISO 16063-1:1998 "Methods for the calibration of vibration and shock transducers – Part 1: Basic concepts" with Mr Chenguang Cai, China, as project leader.

3.9) NWIP/CD 16063-45

ISO/TC 108/SC 3 requested the secretariat to circulate a NWIP to activate PWI 16063-45 "Methods for the calibration of vibration and shock transducers – Part 45: In-situ calibration of transducers with built in calibration coil". The project leader is Mr Chenguang Cai, China.

3.10) NWIP/CD 16063-44

ISO/TC 108/SC 3 requested the secretariat to circulate a NWIP to activate the former PWI 16063-44 "Methods for the calibration of vibration and shock transducers – Part 44: Calibration of field vibration calibrators". The project leader is Dr Takashi Usuda, Japan.

3.11) Inertial Measurement Unit (IMU) calibration

ISO/TC 108/SC 3 decided to include the preparation of a new standard on Inertial Measurement Unit calibration as a preliminary work item in the programme of work and to allocate the item to WG 6. The project leader is Dr Takashi Usuda, Japan.

3.12) ISO 16063-16 errors

ISO/TC 108/SC 3 request the ISO/CS to publish a corrected version of ISO 16063-16" Methods for the calibration of vibration and shock transducers – Part 16: Calibration by Earth's gravitation" in accordance with the text originally approved by the committee.

3.13) Confirmation of convenors

ISO/TC 108/SC 3 confirms the convenor of WG 1, Mr Dieter Müller, Germany, and the convenor of WG 6, Mr Thomas Bruns, Germany, for a 3 year period, starting on 2015-03-13.

Abbreviations:

TC: Technical Committee

SC: Sub-Committee

WG: Working Group

PWI: Preliminary Work Item

NP: New Work Item Proposal

CD: Committee Draft

DIS: Draft International Standard

FDIS: Final Draft International Standard