

ISO/TC 108 and ISO TC 108 WG34 Liaison to the CCAUV

By: Ian Veldman

1) Introduction

The last Meeting of ISO/TC108 "Mechanical vibration, shock and condition monitoring" took place in September 2017 at in Gaithersburg, USA. The meetings were hosted by NIST.

A number of ISO/TC108 sub committees (SC) and working groups (WG) met during this period as well. The work program of WG 34 "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 33 (previously ISO/TC108/SC 3/WG 1)

ISO/TC108/WG 34 (previously ISO/TC108/SC 3/WG 6)

ISO/TC108/SC 6

ISO/TC108/SC 6/WG 2

ISO/TC108/SC 6/WG 3

3) Work program during the meeting

3.1) ISO/TC 108 Plenary and closing meetings

During the plenary meeting of TC 108, the logistics and program plans for the sub-committee and working group meetings were finalised.

The Secretariat by way of a presentation, informed the members present on minor changes to ISO publishing procedures.

During the closing meeting, all resolution proposed by the SCs and WGs were discussed and accepted.

4 ISO/TC 108 WG34

Since the previous meeting, ISO/TC 108 took the decision to disband ISO/TC108 SC 3/WG 6. The work programme and members of SC 3/WG 6 was transferred to ISO/TC 108 WG 34 with Dr Thomas Bruns as Convenor.

4.1 Status of documents since the last meeting

Publications

ISO 16063-1:1998 Amendment 1 published 2016-07

ISO 16063-17 published 2016-06

ISO 16063-32 published 2016-09

ISO 16063-45 published 2017-05

Finalized drafts

- ISO 16063-33 layout sent to ISO for publication 2017-07

Reviews

- Review on ISO 16063-12 (confirmed as given in doc. 108 N 1228)
- Review on ISO 16063-13 (confirmed as given in doc. 108 N 1229)
- Review on ISO 16063-41 (confirmed as given in doc. 108/3 N 647)

4.2 Work programme during meeting

4.2.1 Publication of ISO 16063-44

The comments of DIS 16063-44 "Methods for the calibration of vibration and shock transducers – Part 44: Calibration of field vibration calibrators" have been prepared by the project leader, Takashi Usuda, Japan and were discussed at the meeting in Gaithersburg. The WG requested the secretariat to submit the edited document to ISO/CS for direct publication without a further FDIS voting.

4.2.2 CD 16063-34

The result of CD 16063-34 "Methods for the calibration of vibration and shock transducers – Part 34: Testing of fixed temperature sensitivity" (Revision of ISO 5347-17:1993) were considered. The WG requests the project leader, Mr. Xiaowei Yang, China to prepare a second CD incorporating the comments from the discussion at the meeting and submit it to the secretariat. The WG requests the secretariat to circulate the 2nd CD for comments to the WG. The revised document and the comments on it will be discussed at the next meeting of ISO/TC 108/WG 34.

4.2.3 PWI ISO 16063-21 Amendment 2

ISO/TC 108 supports the proposal to upgrade PWI Amendment 2 to ISO 16063-21:2003 "Methods for the calibration of vibration and shock transducers – Part 21: Vibration calibration by comparison to a reference transducer" to an active work item. It requests the project leader, Philipp Begoff, Germany to submit a WD to the secretariat, based on the agreed points from the discussion at the meeting. The secretariat will circulate the WD to the WG.

4.2.4 ISO 5348 "Mechanical mounting of accelerometers"

ISO/TC 108 decides to revise ISO 5348:1998 "Mechanical mounting of accelerometers" to become a part of the ISO 16063-series and allocates the revision to WG 34 with Mr. Thomas Petzsche, Germany, as project leader. It is confirmed that the scope is unchanged. The secretariat is requested to launch a call for experts. The German member body will provide a draft for a first CD to the secretariat.

4.2.5 19665 "Calibration of conditioning amplifiers for dynamic application"

ISO/TC 108 requests the secretariat to circulate doc. ISO/TC 108 N 1225 "Calibration of conditioning amplifiers for dynamic application" as a new work item proposal to the member bodies of ISO/TC 108 for voting. If accepted, the item will be allocated to WG 34 with Mr. Henrik Volkers, Germany, as project leader. If approved, the PL will send the secretariat a WD for circulation to the WG.

4.2.6 Revision ISO 5347-8:1993 “Dual Centrifuge”

ISO/TC 108 decided to include the revision of ISO 5347-8:1993 "Methods for the calibration of vibration and shock pick-ups – Part 8: Primary calibration by dual centrifuge" as a preliminary work item and to allocate the item to WG 34. The potential project leader is Mr. Takayuki Mizutani, Japan. The potential project leader is requested to submit a first WD to the secretariat for distribution to the WG.

4.2.7 The Chair of TC 108, on behalf of ISO TC 108/WG 34, issued a letter in support of the potential EMPIR project, “metrology for the factory of the future.” The EMPIR project involves technologies that promote the development of standards in the use and calibration of vibration and shock measuring instrumentation.

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