



INTERNATIONAL COMMITTEE FOR
NON DESTRUCTIVE TESTING

The World Organisation for NDT

**Minutes of a meeting of
ICNDT Working Group 1:
NDT Qualification and Certification**

**Wednesday, 20 November 2013
Mumbai, India**

Participants - Members

Mr A Mullin	(Chair)
Mr S K Babu	
Dr M Johannes	(on behalf of Mr J Guild)
Mr Kyung-Cho Kim	
Mr P Milligan	(NB. +proxy – N Scutt (see below))
Dr N Ooka	
Mr V Radko	
Mr J Conte	(on behalf of J Rufino Teles Filho)
Mr R Engelbart	(ASNT temporary representative)

Observers

Mr P Brisset	(IAEA)
Mr Chih-Hung	(SNTCT, Taiwan)
Mr D Chu	(SNTCT, Taiwan)
Mr Hong Joo Chung	(KSNT)
Dr J M Farley	(ICNDT Chairman)
Mr D J Gilbert	(Secretariat)
Dr C Hakan Gür	(TURKNDT)
Mr Jung Po Lee	(KSNT)
Mr R Morasse	(ASNT)
Mr T Ogata	(JSNDI)
Mr S Ooka	(JSNDI)
Miss S Priannikova	(Ukraine)
Mrs Zhu Ya Qing	(ChSNDT)
Mr B K Shah	(ISNT)
Mr Sze Thiam Siong	(President 15 th APCNDT)
Mr P Wadyalkar	(AINDT)
Mr Ji Jing Yuan	(ChSNDT)

Apologies

Mr G Aufricht
Mr D Barnett
Mr P Fallouey
Dr Rong Sheng Geng
Mr J Guild

Mr R Holstein
 Dr M Purschke
 Mr R Rodriguez
 Ms N Scutt (proxy – P Milligan)
 Mr R Shipp
 Mr J Zirnhelt

1. Welcome and apologies

The Chairman opened the meeting and welcomed all, in particular our American colleagues for making the effort to attend. He thanked ISNT for hosting the meeting.

The Chairman declared that, as more than 50% of voting members were present, plus one proxy, a quorum was achieved.

2. Approval of Agenda

The Chairman stated that the Agenda, revision C, had been circulated prior to the meeting and no comments or suggestions for addition had been received. He invited these one more time and none were raised, so the Agenda was approved.

3. Approval of Minutes of the previous meeting

The minutes of the meeting held in Luton, UK, on 19 November 2012 had been circulated.

There were no comments. The minutes were approved.

Actions arising:

Action Ref. No.	Desc.	WHO	STATUS/COMPLETE BY
WG1/2012-11-19/..			
1	Review Membership principles	AM	New Terms of Reference - ref. Agenda
2	Consider participation in NDE Forum at ASME PVP, July 2013, Paris	All	Complete AM presented programme
3	Conduct gap analysis – TR 25107 vs. CP106.	SKB	Complete. Ref. Agenda
4	Circulate information on new standard covering new techniques	PF	Ongoing. NB. MMM method
5	Submit updates to Guidelines to D Gilbert	All	Ongoing. Ref. Agenda
6	Review and revise OP18 (ICEC) and WG1 ToR	AM/JRT/ JMF	Now approved by PGP. Ref. Agenda
7	Compile 'top 20' EN ISO 9712 statements and circulate to CBs for info on interpretation.	AM	Complete. Ref. Agenda
8	Consider WG to look at	All	Complete. Ref. Agenda

	S K Babu's draft Guideline for Administering Practical Examination		
9	Commence liaison with ISO TC108 SC5 w.r.t CM in Guidelines	AM/JMF	(i) AINDT to propose liaison member (ii) Durban guide
10	Produce new chapter on ISO/IEC 17024: 2012 for Guidelines	PF/JRT/AM	Ongoing. Ref. Agenda

4. WG1 membership

The Chairman noted that there were 16 voting members of the committee.

He welcomed the two new members: Mr Kyung-Cho Kim and Mr R Engelbart. Mr Engelbart pointed out that his position on the committee was temporary until ASNT advised of a permanent representative.

The Chinese Society and the Turkish Society had been invited to put forward representatives.

Action Ref. No. WG1/2013-11- 20/..	Desc.	WHO	STATUS/COMPLETE BY
1	Propose representative for committee	ChSNDT TURKNDT	ASAP

5. Terms of Reference

The Chairman explained that a new revision had been circulated at the beginning of 2013. Some comments had been received.

- Section 2: Tasks, it was proposed to change the word 'orders' to 'requests' in the last bullet point.
- There was some discussion concerning having a WG1 representative on ISO TC135 SC7 and as a result it was proposed to add an additional point: 'Maintain liaison with relevant bodies/groups/committees'.
- Dr Farley proposed to add a reference to ASNT in the bullet point concerning company-based schemes, along the lines: 'To support best practice in company-based qualification and certification systems and liaise externally (for example with ASNT SNT TC1A)'.
- It was suggested that the option to join meetings via teleconferencing should be permitted.
- The Chairman noted that there was need for the IEC to define levels of documentation (for example 'Strategic' or 'Work instruction' etc.).

It was proposed to approve the Terms of Reference, subject to the amendments agreed. This was agreed unanimously. Agreed Terms of reference to be published on the website.

6. Action Plan

The Chairman proceeded to go through the Action Plan step-by-step.

He emphasised that he wished to include everyone in the discussion and hear the opinions of all members.

Referring to the Action Plan:

X1, 2 and 3 (Committee Administration) had all been complete or were ongoing tasks without deadlines. The Chinese Society and the Turkish Society had been invited to put forward representatives to sit on the WG.

A1. Establish lines of communication: the Chairman was pleased to report that he had received reports from 3 out the 4 regions. He would request a report from Mr Guild (Africa).

M Brisset (IAEA) pointed out that the deadline for submission of projects was April/May 2014.

A2. Liaison:

(1) ISO TC135 SC7. Dr Farley reported that he had attended the meeting in Zagreb in October 2013. The committee is looking at revising TR25107. Dr Farley's personal opinion is that there should be a closer matching to the ASNT's CP105. He offered to draft a letter to the ISO committee for approval by the group before sending.

Action Ref. No. WG1/2013-11-20/..	Desc.	WHO	STATUS/COMPLETE BY
2	Draft letter to ISO TC135 SC7 recommending how to revise TR 25107	JMF	ASAP

(2) IAF. Mr Zirnelt had sent apologies but no report. Ongoing.

(3) ISO/CASCO Need new representative. Dr Farley to request feedback from Mr Thompson.

Action Ref. No. WG1/2013-11-20/..	Desc.	WHO	STATUS/COMPLETE BY
3	Request feedback from JRT re: ISO/CASCO WG30.	JMF	ASAP

(4) ASME. No report from P Fallouey.

(5) IAEA. Improved liaison resulting in P Brisset joining WG1 as observer.

A3.

3.1: Plan to hold workshop in Prague that will include e-learning.

3.2: Need to identify projects (need to feed from regions).

French version of EQB? (Tunisia, Algeria, Morocco, Cameroon).

A4. Directory: S K Babu reported on progress. Most members had responded. It was requested that a facility be provided on the website to permit online updating. Mr Gilbert would investigate.

Action Ref. No.	Desc.	WHO	STATUS/COMPLETE BY
WG1/2013-11-20/..			
4	Investigate facility for online updating of directory.	DJG	ASAP

A5. Guidance for developing countries: Mr Mullin would support Mr Milligan with this task. On-going.

A6. Forums: Ongoing.

A7. Website: On-going development – D Gilbert/A Mullin.

A8. Application of EN ISO 9712: Ref. Agenda.

A9. Gap analysis: Ref. Agenda.

A10. ASNT: will become unnecessary when ASNT rep appointed.

B1. New methods: MMM example to be considered.

B2. Guidelines: Ref. Agenda.

B3. Practical exams: Ref. Agenda.

B4. EQB: Ref. Agenda.

7. EN ISO 9712

7.1 *Members' comments/Review*

Mr Mullin referred to the members' comments received following invitation/questionnaire circulated to review the new standard.

It was requested that a version be produced for the website, possibly with an interactive 'score sheet'.

The table would be completed and a version sent to Mr Gilbert to publish via the website.

Action Ref. No.	Desc.	WHO	COMPLETE BY
WG1/2013-11-20/..			
5	Publish review of ISO 9712: 2012 on website	AM/DJG	ASAP

7.2 Interpretation

Mr Mullin went through the document detailing the comments received.

There was some discussion on the interpretation statements. The Chairman proposed to invite further comments to be sent to him by end- March 2014.

The end-result would be presented to the ISO TC135 SC7 committee.

All agreed that this was very useful and important work and every effort should be made to arrive at a final proposal in time for the meetings in Prague.

Action Ref. No. WG1/2013-11-20/..	Desc.	WHO	COMPLETE BY
6	Submit final comments on 9712 interpretation to AM by end-March 2014	All	End-March 2014

8. Guideline for administering practical examination

Mr Babu reported on progress. 13 members had responded to his invitation to comment on the draft guideline. This was now in version 3. Mr Babu was hoping to finalise the document in time for the Prague meetings.

There was still some work to be done:

- Acoustic emission to be added
- Infrared thermography to be added (DGZfP?)
- Details regarding specimens, their size, defects etc

Mr Babu would continue to work on the document. He requested further comments to be sent to him by end- March 2014.

Action Ref. No. WG1/2013-11-20/..	Desc.	WHO	COMPLETE BY
7	Submit final comments on guidelines for administering practical exams to SKB by end-March 2014	All	End-March 2014

9. Grading of examination results

Mr Radko made a presentation: 'Differential evaluation of the results of the specific examination in industrial sectors' in which he proposed a new grading procedure aimed at 'improving the objectivity of grading'.

It was suggested that the proposal could be included as feedback in the 9712 review document. Mr Radko agreed to do this.

Action Ref. No. WG1/2013-11-20/..	Desc.	WHO	COMPLETE BY
8	Add grading procedure proposal to 9712 review document	VR	End-Feb 2014

10. Examination Question Bank (EQB)

The Chairman reminded the group that WG1 had a responsibility to review and validate new questions for the EQB. This involved identifying the need for new questions to cover revised standards and syllabuses and new technologies.

Currently there were 7500 questions in the bank. It was suggested that it might be necessary to engage a consultant to identify the need for new questions. Volunteers could validate questions.

It was decided to refer to the ICEC secretary to establish what volunteers could do and what would require support from consultants.

Action Ref. No. WG1/2013-11-20/..	Desc.	WHO	COMPLETE BY
9	Refer to ICEC sec regarding EQB updating	AM	ASAP

11. IAEA project RER 1009

Mr Brisset explained IAEA project RER 1009: "Developing Coordinated NDT activities to Comply with ISO Standards for Training, Certification and Harmonization". He talked about the development of a QMS manual, a website for members and promotion of the use of the website (ndt-iaea.org).

12. ICNDT Guide

All agreed that it was important to update the ICNDT Guide to take into account recent developments. Dr Farley and Mr Mullin would invite people to update specific sections.

Action Ref. No. WG1/2013-11-20/..	Desc.	WHO	COMPLETE BY
10	Issue invitations for updating sections of ICNDT Guide	AM/JMF	ASAP

13. Report on the work of the ICEC

Dr Shipp had sent a report. There was no discussion.

14. Any other business

There was none.

15. Next meeting

The next meeting would take place in October 2014 in Prague, Czech Republic, alongside the European Conference on NDT.

The Chairman thanked all for their attention and closed the meeting.