

## EUROPEAN FORUM FOR NATIONAL AEROSPACE NDT BOARDS

The 9th meeting of the Forum for NANDTB was held in the Airport Conference Centre, Hamburg, Germany on Thursday 25<sup>th</sup> November 2010. The host organisation for this meeting was the German NDT Society, DGZfP.

### DRAFT MINUTES

- 1) Opening of the 9<sup>th</sup> Forum meeting  
 The Chairman welcomed all attending the present meeting, and proposed that the minutes record the gratitude of the Forum to DGZfP for providing the excellent meeting facilities. It was recognised that this would have been at considerable expense, an expense which was not borne by EFNDT, the body that nominally provides support for the Forum. The Secretary said that he hoped that the EFNDT contribution to the support of the Forum would, in future, be more tangible.
- 2) Those present introduces themselves, stating their affiliations and positions. A record of attendance and apologies for absence is at Annex B, and the signed [attendance record](#) is distributed with these minutes.
- 3) The Chairman reminded the meeting of the [strategic vision](#) that had been pursued during his term of office.
- 4) The agenda and matters for discussion under 'Any Other Business' were agreed.
- 5) Minutes of the previous meeting
  - a) were accepted as an accurate record, and confirmed for upload to the Forum's web space. **Action 2010/14: Secretary**
  - b) were reviewed for progress on actions agreed at the meeting:

Reference	Action agreed	Assigned to	Remarks
2009/02	Establish that each of the Forum members is implementing ANDTBF/05 (Harmonization of the Operations of the Members of the Forum). Members to positively inform the Secretary (using the record form at <a href="#">Annex A to ANDTBF/05</a> ).	All members	It was noted that the German Board did not agree with the document as presently written. It was agreed that compliance was not yet mandatory. Action carried forward (see Annex A).
2009/05	Gather information concerning the nature of operations of each of the Boards (continuation of the survey initiated by the Portuguese Board).	Portuguese Board	Action closed
2009/06	New action plan item: Develop training syllabus for aerospace ultrasonic NDT, including product technology, using CEN TC 25107 as basis for work. A Task Group comprising France, Germany (lead), Switzerland and the UK	Task Group	Following verbal report from Swiss Board, this action item is ongoing (see also action 2010-05)
2009/09	Discuss within EASA the fact that possession of EN 4179 was not sufficient for authority to certify a Form 1, the NDT operator also has to possess a national license. Mr Colin Langley agreed to take this up with the EASA person responsible and to communicate with Ms. Tajes who would provide an answer for circulation to members.	EASA	Action carried forward (see Annex A).

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Reference	Action agreed	Assigned to	Remarks
2009/10	Interpretation of clause 4 of EASA AMC 145.A30(f) Personnel requirements “..... <i>In the absence of a national aerospace NDT board, the NDT board of another Member State should be used, as defined by the competent authority.</i> ” Secretary to chase members for further information.	Secretary	a new <a href="#">survey form</a> was devised reflecting discussion at the 7 <sup>th</sup> Forum. Action closed 2010-11-25.
2009/12	The Swiss flowchart on qualification was noted for information, and was to be reviewed by members, who would confirm that it showed their method of working, otherwise to provide an alternative proposal for the flowchart.	Members	Action closed 2010-11-25.
2009/16	2009 report to be circulated for postal approval to upload to the website.	Secretary	Action completed
2010/01	upload the confirmed minutes of the 7 <sup>th</sup> Forum meeting to the website	Secretary	Action completed
2010/02	Provide the instructions for the conduct of the Tumbling E Vision Test for circulation to the Forum.	Chairman & Secretary	Action closed. Secretary to distribute file with these minutes.
2010/03	formally issue and upload the revised <a href="#">ANDTBF/01</a> to the website.	Secretary	Action completed
2010/04	forward Bulgarian application to Messrs. Merletti, Hockings and Saygioğlu for review and comment.	Secretary & Review WG	Action completed
2010/05	forward proposals and/or drafts of composite materials testing syllabuses for circulation and for discussion at the next meeting.	Members	Action closed 2010-11-25
2010/06	adopt a new standing agenda item entitled “National Guidance Considered or Introduced since the last meeting”. Members to submit proposals for information sharing purposes	Secretary & Members	Action completed
2010/07	develop interpretation procedure (for EN 4179) and appropriate terms of reference	Chairman	Agenda item at 2010-11-25
2010/08	investigate the creation of ANDTBF e-mail addresses for office holders.	Secretary	Action completed
2010/09	establish formal liaison with AIA and ASD under the interpretation procedure	Chairman & Secretary	Agenda item at 2010-11-25
2010/10	finalize ANDTBF/04 and upload to website	Secretary	Action completed
2010/11	send details of national and international conferences, seminars and workshops on relevant topics to the Secretary	Members	None received. Action closed 2010-11-25.
2010/12	circulate 2009 Annual Report of the Forum for postal ballot	Secretary	Action completed
2010/13	Confirm date and location of the 9 <sup>th</sup> meeting of the Forum	Secretary	Action completed

- 6) Forum Membership (see constitution [ANDTB/01](#), nominees [ANDTBF/02](#) and contact info [ANDTBF/02A](#))
- a) ANDTBF/02 was reviewed and revised to reflect changes in membership and nominations. **Action 2010/15: Secretary** to update and upload file.
  - b) Consideration of establishing formal liaison member (AIA, FAA, etc) under ANDTBF/01 clause 2.2. **Action 2010/16: Secretary** to draft amendment to ANDTBF/01 and circulate for comment/approval.
  - c) Applications for membership
    - i) The [Bulgaria](#) (action 2010/04) ANDTBF Membership application was accepted, and ordinary membership was confirmed. **Action 2010/17: Secretary** to update

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records, and **Bulgarian Board** to confirm nominated representatives to attend future meetings.

ii) A revised [ANDTBF/06](#) was ratified.

d) Appointment of officers

i) Chairman

(1) No nominations had been received as at 2010-11-22. A proposal that the Italian Board provide the chairman was tabled by France, seconded by Germany, and unanimously agreed by the meeting. **Action 2010/18: Italian Board** to confirm the name of the new Forum Chairman, who will take office on 1<sup>st</sup> January 2011 for a two year term.

ii) Secretary

(1) M. Francesco Delfini (Cofrend) had been proposed by France, and seconded by the UK Board. The appointment, effective for two years from 1<sup>st</sup> January 2011, was confirmed by a unanimous show of hands. Mr. Thompson undertook to support M. Delfini during a handover period lasting until the next meeting.

7) [Action plan](#)

a) Develop an aerospace specific training syllabus covering five principle NDT methods and aerospace product technology.

i) The Task Group reported on and presented work completed to date, which was well received by the Forum, which agreed that the structure and format proposed for the syllabus was suitable.

ii) UT syllabus: Swiss progress report which was well received and can be used as an exemplar for future work.

iii) Aero product technology: To be developed using a similar structure.

b) The French Board announced some work that was taking place to develop the existing Cofrac body of knowledge, which is circulated with these minutes, into a training syllabus to be published by the Performance Review Institute (PRI). The French Board agreed to distribute the work that had been completed to date for comment by Forum members.

**Action 2010/19: French Board** to provide draft PRI PT syllabus; **Secretary** to circulate to members; **Members** to address comments to the Secretary, who is to concatenate comments received by a given date and forward them to the French Board for consideration by Cosac and PRI.

8) Standards & regulations

a) Development of new standards

i) It was reported that a Visual Acuity Testing standard or TR had been agreed as a NWIP by CEN TC138.

ii) It was also noted that an Infrared Thermography (technique) standard was the subject of a NWIP under CEN TC138.

9) Liaisons

a) It was agreed to establish formal liaison between AIA (Phil Keown) and ANDTBF (Jon Biddulph) under the interpretation procedure which remains to be developed. **Action 2010/20: Mr. Biddulph**

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- b) It was agreed to give Liaison status to the Frankfurt International Field Office (IFO) of the FAA. The Secretary pointed out that it would be appropriate to assign EASA Liaison Member status. **Action 2010/21: Secretary**
- 10) Member's issues (for discussion/resolution)
- a) Swiss Board (Juergen Lindgens): asked whether VT implemented by a Part 145 Repair Station should be covered in an EN 4179 written practice (see [discussion paper](#)), or in a separate document? There was extended discussion on this question, and the consensus of the meeting was that this should not be dealt with in a 4179 written practice.
- 11) National Guidance Considered or Introduced since the last meeting
- a) The UK NANDTB had developed guidance covering the [NDT of Composites](#), and it was agreed to distribute the presentation file with these minutes. **Action 2010/22: Secretary**
- 12) Status of [ANDTBF documents](#)
- a) The meeting reviewed the status of each of the published ANDTBF documents, assigning responsibility for review where appropriate.
- 13) The following relevant conferences and seminars were notified:
- a) Certification 2011, Valencia, 13<sup>th</sup> & 14<sup>th</sup> June 2011
- b) Warsaw, October 2011 (details to be provided and circulated). **Action 2010/23: Polish Board**
- 14) Any other business
- a) There had been a request from the Spanish Board for discussion on the definition of experience. Following a brief discussion, it was agreed that this should not result in any formal definition of experience by the Forum.
- b) It was noted that EN 4179 will be revised in 2013, and it is hoped that the Forum will be in a position to make a significant input to this process. It was suggested that the comments of the forum should be concatenated and submitted in one table.
- 15) The location for the 10<sup>th</sup> meeting was agreed to be Vienna, Austria, on a date in April or May 2011 to be determined. **Action 2010/24: Austrian Board**
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## Annex A – Actions agreed in ANDTBF meeting

Reference	Action agreed	Assigned to	Remarks
2009/02	Establish that each of the Forum members is implementing ANDTBF/05 (Harmonization of the Operations of the Members of the Forum). Members to positively inform the Secretary (using the record form at <a href="#">Annex A to ANDTBF/05</a> ).	All members	Carried forward to next meeting. Members requested to inform the Secretary, if not complying with ANDTBF/05, why not, proposing modifications to the document where relevant.
2009/06	New action plan item: Develop training syllabus for aerospace ultrasonic NDT, including product technology, using CEN TC 25107 as basis for work. A Task Group comprising France, Germany (lead), Switzerland and the UK	Task Group	Following verbal report from Swiss Board, this item is ongoing (see also action 2010-05)
2009/09	Discuss within EASA the fact that possession of EN 4179 was not sufficient for authority to certify a Form 1, the NDT operator also has to possess a national license. Mr Colin Langley agreed to take this up with the EASA person responsible and to communicate with Ms. Tajes who would provide an answer for circulation to members.	Sotirakis Stamou, Rosa Tajes & Secretary	<a href="#">EASA response</a> to be clarified by Sotirakis Stamou and EASA, then Secretary to format and publish as Forum advisory document
2010/14	Upload <a href="#">confirmed minutes of the 8<sup>th</sup> meeting</a>	Secretary	Action completed.
2010/15	Update and upload <a href="#">ANDTBF/02</a> (member's nominated representatives)	Secretary	Action completed.
2010/16	Draft amendment to <a href="#">ANDTBF/01</a> and circulate for comment/approval	Secretary Members	Action completed. Comments awaited
2010/17	Update ANDTBF membership records to include Bulgarian National Aerospace NDT Board, and record nominated representatives in ANDTBF/02	Secretary	Action completed.
2010/18	Italian Board to nominate the new Chairman for a term of office of two years from 1 <sup>st</sup> January 2011 to 31 <sup>st</sup> December 2012. Update ANDTBF/02	Italian Board & Secretary	Action completed (Mr. Luigi Merletti is the new Chairman of ANDTBF).
2010/19	Develop training syllabuses. French Board to provide draft PRI PT syllabus; Secretary to circulate to members; Members to address comments to the Secretary, who is to concatenate comments received and forward them to the French Board for consideration by Cosac and PRI	French Board, Secretary & Forum Members	
2010/20	Develop an interpretation procedure (for EN 4179) and appropriate terms of reference for a panel, establishing formal liaison with AIA and ASD under the interpretation procedure	Mr. Biddulph	
2010/21	Assign Liaison status to the Frankfurt International Field Office (IFO) of the FAA.	Secretary	Action completed.
2010/22	distribute the UK presentation on the <a href="#">NDT of Composites</a> with these draft minutes	Secretary	Action completed.
2010/23	Provide details of October 2011 conference in Warsaw for distribution to members for information	Polish Board & Secretary	
2010/24	Provide details of the location and date for the 10 <sup>th</sup> meeting in Vienna, Austria, for distribution by the Secretary.	Austrian Board & Secretary	

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## Annex B – Attendance and apologies for absence

### Attendance at the 9<sup>th</sup> ANDTBF meeting, which was held in Hamburg on 25<sup>th</sup> November 2010

Extract from ANDTBF [constitution](#)

Status: 2010-11-25

The quorum for a meeting shall be a minimum one third [8] of the [current voting members](#). In the event that a vote is necessary, representative members shall have one vote for each country represented on a National Board. Co-opted members shall not have a vote. Approval of changes to the constitution, terms of reference and method of working, and invitations for other bodies to be represented on the ANDTBF shall be decided by a majority of not less than three fourths of those present at an ordinary meeting. Other matters shall be decided by a simple majority.

Member Boards	Represented by:	Attending or apologizing
Australia		apologies
Austria	WOTTLE Roman; HÖLLER Helmut	2
Belgium		apologies
Bulgaria	Svetlin Michailov GEORGIEV	1
Czech Republic	ZAVADIL Zbynek; JANDURA Vaclav	2
Denmark*	RASMUSSEN Henrik	1
Finland	MANNINEN Pekka; PATRONEN Jorma	2
France	BERNADI Joseph; AUGE Patrick	2
Germany	HENRICH Rudi	1
Greece	STAMOU Sotirakis	1
Hungary	ZOLTÁN Antal	apologies
Iceland	No nominated representative	not represented
Ireland	HOGAN Leo	1
Italy	SPERA Giancarlo	1
Netherlands	MACHIELSE Martin; BUIJSEN Franc	2
Norway*	No nominated representative	not represented
Poland	BRONIEK Jacek, Andrzej SZEWC	2
Portugal		not represented
Russia	BATOV Georgy; Yuriy MIKOLAICHUK, AN Other	3
Spain		apologies
Sweden*	SULKUPURO Terho; KLANG Urban Lejerstedt	2
Switzerland	LINDGENS Jürgen; KLIEBER René	2
Turkey		not represented
UK	BIDDULPH Jon	1

\*Denmark, Sweden and Norway have one vote as SCANDT, but are still counted as members for the purpose of calculating a quorum for a meeting.

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<b>Non-member organisation or nation</b>	<b>Non-members invited to attend or officiating at the meeting</b>	<b>Attending</b>
EASA, co-opted	TAJES Rosa	1
FAA [Frankfurt], 'Liaison'	CUNNINGHAM Charles E.	apologies
Malta, observer		apologies
Luxembourg, observer	CRAB Danny	1
ANDTBF	THOMPSON John (Forum Secretary)	1
ANDTBF	Francesco DELFINI (Forum Secretary designate)	1

**Total attendees:**

**32**