

## EUROPEAN FORUM FOR NATIONAL AEROSPACE NDT BOARDS

The 4th European Forum for NANDTB was held in the Transavia facilities (Hangar 5) in the technical area at Schiphol-Oost, Amsterdam on Friday 6<sup>th</sup> June 2008.

### CONFIRMED MINUTES

- 1) Opening of the meeting
  - a) The meeting was opened at 10.30 by the Secretary (John Thompson) in loco for the Chairman (Patrick Auge), who was presently in transit to the meeting. The Secretary invited the host (KLM), represented by Mr. Dick Dam, to address the meeting.
  - b) Mr Dam welcomed the delegates to Amsterdam, advising of the arrangements provided for comfort and catering.
  - c) The Secretary advised the meeting of those apologies for absence (detailed at Annex A) received, and passed round an attendance register (Annex A also records attendees of the meeting).
- 2) Agreement of the agenda and matters identified for discussion under 'Any Other Business'. The agenda was agreed with one proposal from the UK concerning recognition of approvals awarded by a Forum member Board in one country by a Forum member Board in another country to be discussed under 'any other business'.
- 3) [Minutes](#) of the 3<sup>rd</sup> (Rome) meeting
  - a) With one correction to clause 8A: "*Mr. Biddulph (UK Board Chairman) presented a report of the last IAQG WG meeting, highlighting the changes embodied in the present draft*", the minutes were accepted as an accurate record of the meeting.
  - b) Matters arising (not covered by the agenda) were confined to the following actions:

Action 2007/#	Detail	Assignment	Remarks
06	Members to provide Secretary with digital passport photographs for uploading to the Forum website.	All members	CANCELLED
07	Upload confirmed minutes of the second meeting to the Forum website.	Secretary	Discharged
08	submit revised ANDTBF/01 (constitution) for approval at the next meeting of the Forum	Luigi Merletti	Discharged (to be discussed under Agenda item 2008-06-06)

**Officers:**

President: Dr J M (Mike) Farley [mfarley@mitsuibabcock.com](mailto:mfarley@mitsuibabcock.com)  
 Vice-President: Professor V (Vladimir) V Klyuev [spektr@co.ru](mailto:spektr@co.ru)  
 Secretary: Mr M (Matt) E Gallagher [matt.gallagher@bindt.org](mailto:matt.gallagher@bindt.org)

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Action 2007/#	Detail	Assignment	Remarks
09	Members to update secretary; Secretary to update the Forum member list ( <a href="#">ANDTBF/02</a> ).  Secretary's note (2008-06-06): email addresses not to be provided on website, instead provide hyperlinks to members own websites.	Members /secretary	Work had commenced to compile <a href="#">definitive list</a> of members 2008-06-02.
10	progress the objectives agreed in the action plan, which he had agreed to discuss within EASA:  <ul style="list-style-type: none"> <li>Establish EASA's intentions and timescales for review and update of EASA AMC 145 (which refers to EN 4179 : 2000).</li> <li>Request that EASA harmonise or combine EASA Regulations parts 21 and 145.</li> </ul>	Ian Wyles	Discussed under Agenda item at present (2008-06-06) meeting
11	Remove Nadcap task from the action plan	Secretary	Discharged
12	Produce interim draft embodying points agreed at present meeting;  <b>WG convener and members</b> to confirm then release for circulation to all members for comments in order that the WG can agree a final draft for approval by the next meeting of the Forum.	Secretary, WG convener and members	Draft finalized and circulated October 2008 for member's review & comment.
13	Draft EN 4179 interpretative document	EN4179 interpretation WG	Completed work presented by Jurgen Lindgens. Task shelved awaiting publication of new editions.
14	Progress Forum workshop development plan, presenting draft agenda, together with <a href="#">suggestions for venue and timing</a> , to the next Forum.	Secretary  01 May 2008	Discharged
15	approach the ECNDT organisers with proposals, reporting to the next forum	Secretary	Discharged
16	distribute Jon Biddulph's <a href="#">NAS/EN PowerPoint</a> file with these minutes, and uploaded it to the Forum web pages	Secretary	Sent 2008-06-05
17	Circulate UK example of <a href="#">list of Outside Agencies</a> to members, who may utilise format to develop their own list and send to secretary for hyperlinking from the Forum web pages.	Secretary /members	Sent 2008-06-05
18	Circulate UK Board paper on <a href="#">data for inclusion on certificates of training/</a> examination and associated data sheets to members for review and comment	Members	Sent 2008-06-05

Action 2007/#	Detail	Assignment	Remarks
19	Consider and develop suitable articles <i>related to the objectives of the Forum</i> , forwarding these to the Secretary for the attention of Mr. Henrich, who has kindly accepted the task of reviewing content before returning to the Secretary for uploading to the website.	Members, with Rudi Henrich as reviewer	Sent 2008-06-05

4) Member's issues (open discussion)

- a) Members [Questions](#), previously addressed to EASA (Secretary's note: no response had been received at the time of the present meeting, but a [detailed response](#) from EASA was subsequently transmitted on 16<sup>th</sup> June 2008 by M. Anton Juan), were reviewed one by one, and proposed answers agreed for submission to EASA under cover of a chairman's letter, all to be discussed with EASA at a meeting to be proposed, and attended by a ANDTBF delegation comprised of the Chairman (Patrick Auge) and representatives of the following members: Holland (Dick Dam), Germany (Rudi Henrich) and Italy (Luigi Merletti).

b) Attendance at ANDTBF by an EASA representative.

- i) In spite of being invited to attend all four of the meetings of the Forum, EASA had been represented at just one meeting, the second, in Istanbul. The Forum members expressed disappointment in this and asked that the Chairman and the above delegation express to EASA the willingness of the forum to assist EASA in the harmonization of regulations part 21 and 145, and the normalization of airworthiness activities in terms of the qualification of NDT personnel and the application of NDT.
- ii) The message that the Forum wished to convey to EASA was one of positive support rather than criticism, but it did express the hope that all future meetings of the Forum, likely to be no more than two per year, would be attended by a representative of EASA who had authority to speak for EASA and convey its policies in the area of interest of the Forum.

5) Review progress on the Forum's [action plan](#).

a) Harmonisation of operations of Forum members

Objectives:

- o Draft ANDTBF policy document proposing harmonisation of the operations of the national Boards.
- o Propose Outside Agency audit criteria.
- o Recommend policy on recognition of approvals issued under the control of other national Boards.

Convener: Roman Wottle (Austria)

Target date: initially 1<sup>st</sup> November 2007, revised to 30<sup>th</sup> July 2008 in preparation for the fifth meeting of the Forum in Germany.

## b) Interpretation of standards for qualification/certification of NDT personnel

### Objectives:

- Provide a mechanism for interpretation of applicable qualification standards, e.g. EN 4179 and EN 473, for the aerospace sector.
- Make recommendations concerning experience – reductions in duration (EN 4179 Table 2 Note a). Survey each board concerning their understanding of this note.
- Make recommendations concerning practical examination content (initial and recertification)

Convener: Jean Pierre Pollien (Switzerland)

In the absence of Jean Pierre Pollien, Jurgern Lindgens presented the work to date, showing the areas of divergence between EN 4179 : 2006 and AIA NAS 410 (3<sup>rd</sup> ed.). The meeting noted that adjustments could be made to satisfy the qualification criteria of both standards by selecting the most stringent from each for implementation. It was also noted that, with the emergence of EN 473 : 2008 and the publication of AIA NAS 410 (but not EN 4179 : 2008), the present situation was complicated. It was agreed to shelve further work in this area until such time as the applicable standards were published. Until such time as this might happen, it was noted that the national boards seeking to apply AMC 145 had no choice but to implement EN 4179 : 2005.

## c) Conferences

### Objectives:

- Offer to manage a half day aerospace NDT personnel qualification / certification session within the next European Conference on NDT
  - This had been warmly received and work would commence closer to the conference in Moscow (2010).
- Stage a one day ANDTBF workshop during 2008, open to any interested party. Topics to include
  - EASA regulations part 21 and 145 (and related AMC)
  - Audit and control of qualification examinations (conducted by employers and outside agencies)
  - Reviews of newly revised standards (EN 4179 and EN 473) covering qualification of aerospace NDT personnel.

The secretary (John Thompson, United Kingdom) reported that he had been in contact with Dr. Hanke who was the chairman of the organising committee for the DGZfP aerospace Symposium, which is to be held in Furth, Germany, 3<sup>rd</sup> to 5<sup>th</sup> December 2008. Dr. Hanke had indicated that the organising committee was willing to host a meeting of the ANDTBF and to provide for it to stage a short workshop during which the work of the Forum could be presented. The Forum asked that the Secretary seek Dr. Hanke's agreement that the next meeting would be convened on 3<sup>rd</sup> December (not the 5<sup>th</sup> December as had been proposed initially).

- 6) Review status of applicable regulations
  - (a) The applicable regulation is EASA part 145, and an amendment was already proposed as part of the NPA 2007-09 that was published in June 2007 and which is currently under review to address the comments received during the external consultation.
  - (b) In addition, EASA is reviewing Part 145 AMCs under rulemaking task 145.023 in order to solve some inconsistencies in relation to the approval of foreign Part-145 organisations. This is a good opportunity to propose additional equivalent standards, such as NAS410 and AS3669.
  - (c) This notice of proposed amendment (NPA) is expected to be ready for public consultation during the summer of 2008. Those interested in tracking this process should register at <http://hub.easa.europa.eu/crt/> in order to be informed when the document is ready
- 7) Review status of applicable standards ([NAS-410](#) and [EN 4179](#)) and other normative requirements
  - a) The revised NAS 410 : 2008 had been published and was therefore out of step with the current edition of EN 4179 (2005).
  - b) The revision of the European standard had been conducted outside of the normal CEN process, and it was not known what the likely timetable for publication was at this point.
- 8) Review status of [ANDTBF documents](#)
  - a) A draft revision of [ANDTBF-01](#) (constitution) was tabled and resulted in lengthy discussion concerning the legal status of various Boards. It became apparent that there were a number of Boards that had legal status in their own country, and an equal number that did not.
  - b) A motion to approve ANDTBF-01 Revision A was unanimously approved with a 12 month transition (to 6<sup>th</sup> June 2009) for compliance by members of the Forum.
- 9) Review status of [ANDTBF web](#) pages
  - a) The Secretary had been provided with the necessary tools to maintain the Forum web pages.
  - b) Forum members present were reminded that they could submit items of general interest for uploading to the website.
- 10) Relevant conferences and seminars
  - a) [NDT in Aerospace](#), Fürth, Germany, 3<sup>rd</sup> to 5<sup>th</sup> December 2008 (the [calling notice](#) was tabled). The next meeting of the Forum would be held in Fürth prior to the conference, but there was no obligation on the part of those attending the meeting to register for the conference.
- 11) Any other business
  - a) Implementation of new technologies had been a subject addressed by a number of members, and the UK Board had agreed a process. This was to be made available to all members for interest.
  - b) What criteria had to be met in order to maintain certification? It was suggested that an aggregate of 6 months application of NDT in any two year period would fulfill the requirements for continuity.
  - c) The physical (vision) test in new NAS 410 / prEN 4179 was significantly different, and it appeared that the change had been made to accommodate the conventions applied in the USA.
- 12) Date and location for next meeting
  - a) Fürth (Nürnberg), Germany, Wednesday 3<sup>rd</sup> December 2008 @ 09:00

b) There was a vote of thanks to KLM for their hospitality and meeting facilities.

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Attendance at the 2008-06-06 meeting of the ANDTB forum

Representative attending	Nation member	Apologies recorded	Nation member)
Patrick Auge	France	Uriy Micolaichuk	Russia
Joseph Bernardi	France	Ian Wyles	EASA
Colin Hockings	Australia	Pekka Manninen	Finland
Helmut Höller	Austria	Albert Muscat	Malta
Oskar Gutenbrunner	Austria	Gracjan Wisniewski	Poland
Zbynek Zavadil	Czech Republic	Pedro Arroyo-Perfumo	Spain
Ralf Holstein	Germany	Orhan Pehlivanlı	Turkey
Minas Fytos	Greece	Neslihan Mahmutyazıcıoğlu	Turkey
John Mc Clorey	Ireland	Marco Ylitalo	Finland
James Mulcahy	Ireland	Thomas Grybäck	SCANDT
Luigi Merletti	Italy	Ante Tomasovic	Belgium
Danny Crab	Luxembourg	Rudolf Henrich	Germany
Arie Stroo	Netherlands	Peter Juhasz	Hungary
Franc Buijsen	Netherlands	Janez Grum	Slovenia
Dick Dam	Netherlands	René Klieber	Switzerland
Bogdan Zajac	Poland	Ercan Tanrisever	Turkey
Jan Mottl	Poland	Jon Biddulph	United Kingdom
Sérgio Nascimento	Portugal		
Georgy Batov	Russia		
Jürgen Lindgens	Switzerland		
John Thompson	United kingdom		