

## EUROPEAN FORUM FOR NATIONAL AEROSPACE NDT BOARDS

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The third European Forum for NANDTB was held in the facility of Alitalia Servizi (Engineering and Maintenance), Fiumicino, Rome International Airport, on Thursday 15<sup>th</sup> and Friday 16<sup>th</sup> November 2007.

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### CONFIRMED MINUTES OF THE MEETING

#### 1) Opening of the meeting

- a) Mr. Alfonso Del Treste, on behalf of Alitalia Servizi (the host organisation) welcomed the Forum member's representatives to Rome, and gave a short but informative presentation on the work of Alitalia Servizi.

#### 2) Attendance

- a) A [list of attendees](#) is circulated with these minutes. It was agreed to provide photographs of those persons nominated by their National Boards to represent them at meetings of the Forum.

**Action 2007/06: members' representatives** to provide the Secretary with passport size photographs as digital attachments to emails with subject "ANDTBF members' photographs".

#### b) Apologies for absence were received from:

Colin Hockings (Australia)	Ian Wyles (EASA)
Danny Crab (Luxembourg)	Orhan Pehlivanlı (Turkey)
Pekka Manninen (Finland)	Neslihan Mahmutyazıcıoğlu (Turkey)
Roman Wottle (Austria)	Pedro Arroyo-Perfumo (Spain)
Thomas Grybäck (SCANDT)	Janez Grum (Slovenia)
Tatjana Samardzic	

- 3) The agenda was agreed with the addition, under a new item 9, of topics for discussion proposed by members at the previous meeting (Action 2007/03).

- 4) The [Minutes](#) of the second meeting – held in Istanbul, 29<sup>th</sup> June 2007, were accepted without amendment as a true record of the meeting.

**Action 2007/07: Secretary** to upload minutes of the second meeting to the Forum website as confirmed minutes.

- 5) Assessment and NADNDTB approval of national agencies conducting training and examinations

- a) A comprehensive description of the French (Cosac) system of audit and approval of examination centres was made by M. Joseph Bernardi. He described how this was conducted under the accredited systems of Cofrend using qualified assessors, with at

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least one assessor from another sector within the Cofrend scheme. The presentation included a detailed description of the points assessed at audit, and a full checklist was presented (PowerPoint and Word files are circulated with these minutes for information). There are presently six examination centres working within the Cosac sector, and these are re-assessed on the three yearly basis. The Forum asked numerous in-depth questions, and there was an extended discussion of issues arising from this stimulating presentation.

- b) The secretary of the Forum (also secretary to the UK Board) presented the British approach to assessment and BINDT accreditation of outside and internal qualifying agencies. Jon Biddulph, UK Board chairman, explained that the UK Board maintained an overview of this assessment system, witnessing a high percentage of assessments, all of which are carried out by Mr. Thompson, through the appointment of Board members as observers. Mr. Thompson explained that the UK Board was presented with summary audit reports, and reserved the right to access full reports at any time. A typical audit agenda for outside agencies (distributed with these minutes for information) was presented with a detailed explanation.
- c) Sérgio Nascimento described the system applied in Portugal, where the Board works with the national aviation authority to assess the four internal qualifying agencies. This leads to the award of a certificate which recognises the agency's level 3. He explained that 3<sup>rd</sup> party certification awarded by certification bodies outside Portugal (DGZfP, PCN, Cosac, etc.), and that outside agencies under the control of NANDTB in other countries are recognised in Portugal.

#### 6) Review of [EF NANDTB documents](#)

- a) The Secretary highlighted the need for a premature review and revision of ANDTBF/01 (Constitution), explaining that the process for enlarging the membership was unclear. Mr. Luigi Merletti agreed to convene a working group comprised of Messrs. Jon Biddulph, Joseph Bernardi and Zbynek Zavadil to undertake this work, and the Forum agreed the terms of reference for the WG as follows:
  - i) review and produce a preliminary draft revision;
  - ii) circulate preliminary draft to all members requesting comments by a given date;
  - iii) review comments received and, taking all of them into account,
  - iv) Produce a final draft for approval.

**Action 2007/08: Mr. Luigi Merletti** to submit revised ANDTBF/01 for approval at the next meeting of the Forum.

- b) At this point the meeting was adjourned and reconvened on 15<sup>th</sup> November at 09:00, at which time the Chairman invited a presentation from the Russian observer, Mr. Jury Mikolajtschuk.
  - i) Mr. Mikolajtschuk explained that a Russian National NDT Board had recently been formed, and he presented the background to this development, including some details of its structure and membership, concluding with a request that the board be admitted as a Forum member.
  - ii) The Chairman proposed that the Russian Board be accepted as a full member, and asked for the support of those member's representatives present. There were no objections, and the Secretary was tasked with updating the member list to include the nominated delegates of the Russian Board.

**Action 2007/09: Members** to update their nominee representatives (if necessary); **Secretary** to update the Forum member list (ANDTBF/02).

7) Review progress on the Forum's [Action Plan](#).

a) EASA Regulations

- i) Mr. Ian Wyles had tendered apologies for absence but had submitted a brief report explaining that the minutes from the last ANDTBF meeting have been circulated internally within the Agency, together with the notes that he had made about specific EASA related issues. He stated that the subject of a review of the regulations crosses three Directorates within EASA which had resulted in a delay in formally responding to the Forum. However, he gave an assurance that the Agency recognises the importance of its relationship with ANDTBF and that it undertakes to participate in future meetings and assist with or contribute to the work involved.
- ii) During discussion of this important item, Mr. Minas Fytos observed that the dated reference in AMC 145 to EN 4179:2000 should be removed as a matter of urgent correction. Mr. Albert Muscat reported having received a communication from EASA to Air Malta stating that the dated reference for EN 4179 : 2000 in AMC 145 was to be corrected.

**Action 2007/10: Mr. Wyles** to progress the objectives agreed in the action plan, which he had agreed to discuss within EASA:

- Establish EASA's intentions and timescales for review and update of EASA AMC 145 (which refers to EN 4179 : 2000).
- Request that EASA harmonise or combine EASA Regulations parts 21 and 145.

b) Nadcap

- i) The action plan objectives had been established as:
  - (1) Review Nadcap activities and establish any crossover with NANDTB activities, and
  - (2) Establish lines of communication with Nadcap (whilst preserving the autonomy of Boards at the national level.
- ii) Mr. Rene Klieber presented a report on behalf of the task convener (J-P Pollien): He stated that lines of communication already exist with the national aerospace NDT boards since manufacturing primes which 'charter' the national boards also attend the NANDT Board forum. He gave no indication that the convener had identified any crossover of Nadcap activities and NANDTB activities.
- iii) The Secretary asked the Forum it considered this sufficient; in particular, he asked if any Boards were experiencing conflicts of interests with NADCAP, such as rejection of NANDTB recognised qualification examinations or NDT personnel certification? There were no such concerns expressed by member's representatives present at the meeting, and it was suggested by the Secretary that this item was unnecessary and should be deleted from the action plan. There were no objections to this proposal.

**Action 2007/11: Secretary** to remove Nadcap task from the action plan.

c) Harmonisation of the operations of Forum members

- i) Mr. Helmuth Höller presented a [report](#), which had been distributed to members, on behalf of the task convener (Roman Wottle). There was extensive discussion during and following this presentation and the Secretary was tasked with

summing up the discussion and producing an amended policy document embodying the points agreed in discussion. This would be confirmed with the convener before distribution to the wider membership for comment by a deadline that would enable comments received to be considered by the WG and a revised final draft to be submitted for the approval of the next Forum meeting.

**Action 2007/12: Secretary** to produce interim draft embodying points agreed at present meeting; **WG convener and members** to confirm then release for circulation to all members for comments, which are to be submitted by 1<sup>st</sup> March 2008 in order that the WG can agree a final draft for approval by the next meeting of the Forum.

d) Interpretation of standards for qualification/certification of NDT personnel

- i) Mr. Rene Klieber presented a preliminary report on behalf of the task convener (J-P Pollien), explaining that this comprised of tables comparing the criteria of the EN 473 and EN 4179 standards (these comparative tables had been circulated to all members prior to the meeting). Mr. Klieber went on to state that the work was ongoing, and that the final proposals for interpretation of the standards concerned would be available for discussion and approval of the next Forum meeting.

**Action 2007/13: Action plan convener and WG members** to continue work to completion of EN 4179 interpretative document by next forum.

e) Conferences

- i) Mr. Thompson (Secretary) proposed a one day ANDTBF workshop during 2008 or 2009, open to attendance by any interested delegates, to be held in conjunction with a regular meeting of the Forum. The event would be formally organised by EFNDT, with essential facilities being funded out of delegate registration fees. Subject to discussion and agreement within the Forum, the workshop would take the form of four or five presentations on topical issues, showing how the Forum is addressing these and, hopefully, demonstrating that the Forum is effective in representing the concerns of its individual member bodies. Mr. Thompson explained the following issues needed consideration:

- (1) Location: should be attractive and reasonably central in Europe, with good transport links and plentiful reasonably priced accommodation.
- (2) Venue: must be suitable for a normal meeting of the Forum (a horseshoe or oval arrangement for up to 30 individuals), as well as for the proposed workshop (capable of seating up to 120 individuals in classroom or theatre arrangements).
- (3) Costs: must be recovered through registrations; a financial plan is required.
- (4) Topics: must be of sufficient interest to attract 100+ delegates; this requires that the Forum can demonstrate progress in its work.

- ii) The meeting approved the proposal.

**Action 2007/14: Secretary** to progress action, presenting draft financial plan and workshop agenda, together with suggestions for venue and timing, to the next Forum.

- iii) Mr. Thompson went on to point out that the next European Conference on NDT was to be held in Moscow in 2010, and it is proposed that the Forum organise and manage a half-day aerospace session at this event. There are few financial or logistical issues, but he suggested that a full meeting of the Forum be held in association with the conference. Volunteers would be required for two session chairmen and an organising committee of three would be established to vet offers of papers and to plan the sequence of presentations.

iv) The meeting approved the proposal.

**Action 2007/15: Secretary** to approach the conference organisers with proposals, reporting to the next forum.

8) NAS410 rev3/EN4179 Ed 4 (report from the IAQG WG meeting in Farmington, held over the 5<sup>th</sup> to 7<sup>th</sup> September 2007).

a) Mr. Biddulph (UK Board Chairman) presented a report of the last IAQG WG meeting, highlighting the changes embodied in the present draft.

**Action 2007/16: Secretary** to distribute PowerPoint file with these minutes, and uploaded it to the Forum web pages.

9) Items proposed for discussion at last meeting (action 2007/03) that were included on this agenda, together with agreed actions:

a) Draw up a list of all approved NDT training centers (outside agencies) in each country [show [UK Example?](#)](Provide link from Forum website to the web pages of the various boards?).

i) **Action 2007/17: Secretary** to circulate UK example; **Members** to utilise format to develop their own list and send to secretary for uploading to the Forum web pages.

b) Create common certificate layouts within the European members in the Forum for NANDT-Boards

i) **Action 2007/18: Secretary** to circulate [UK Board paper](#) on this topic; **Members** to review and comment with a view to agreeing ANDTBF guidance at next meeting.

c) Members to submit articles for upload to the Forum's website

i) **Action 2007/19: Members** to consider and develop suitable articles *related to the objectives of the Forum*, forwarding these to the Secretary for the attention of Mr. Rudi Henrich, who has kindly accepted the task of reviewing content before returning to the Secretary for uploading to the website.

10) Date and location for next meeting

a) Friday 6<sup>th</sup> June 2008 in Amsterdam (location and accommodation details to be provided closer to the meeting)

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## Action summary

Action 2007/#	Detail	Assignment, and completion date	Remarks
06	Members to provide Secretary with digital passport photographs for uploading to the Forum website.	All members	CARRIED FORWARD
07	Upload confirmed minutes of the second meeting to the Forum website.	Secretary 30 December 2007	Discharged
08	submit revised ANDTBF/01 (constitution) for approval at the next meeting of the Forum	Luigi Merletti 01 May 2008	Discharged (AGENDA 2008-06-06)
09	Members to update secretary; Secretary to update the Forum member list ( <a href="#">ANDTBF/02</a> ).	Members/secretary ASAP	Begun <a href="#">definitive list</a> 2008-06-02
10	<p>progress the objectives agreed in the action plan, which he had agreed to discuss within EASA:</p> <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 ASAP	
11	Remove Nadcap task from the action plan	Secretary ASAP	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, which are to be submitted by 1 <sup>st</sup> March 2008 in order that the WG can agree a final draft for approval by the next meeting of the Forum.	Secretary, WG convener and members ASAP	JRT sent draft to Roman Wottle 2008-05-02  Draft to be circulated July 2008
13	continue work to completion of EN 4179 interpretative document by next forum	EN4179 interpretation WG 01 May 2008	
14	Progress Forum workshop development plan, presenting draft financial plan and workshop agenda,	Secretary 01 May 2008	In email contact with Dr. Hanke.

	together with <a href="#">suggestions for venue and timing</a> , to the next Forum.		
15	approach the ECNDT organisers with proposals, reporting to the next forum	Secretary 01 May 2008	Organisers welcome proposals in principle
16	distribute Jon Biddulph's <a href="#">NAS/EN PowerPoint</a> file with these minutes, and uploaded it to the Forum web pages	Secretary 01 January 2008	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 uploading to the Forum web pages.	Secretary/members 01 January 2008	Sent 2008-06-05
18	Circulate UK Board paper on <a href="#">data for inclusion on certificates of training/examination</a> and associated data sheets to members for review and comment with a view to agreeing ANDTBF guidance at next meeting.	Secretary/members 01 April 2008	Sent 2008-06-05
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, Secretary and Rudi Henrich 01 May 2008	Carry over