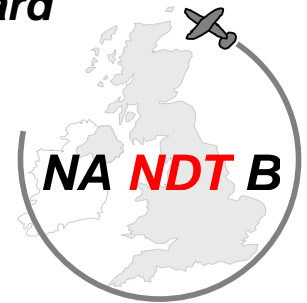


# 24th Meeting UK National Aerospace **NDT** Board



c/o The British Institute of NDT  
1 Spencer Parade, Northampton  
NN1 5AA, United Kingdom

Tel: +44(0)1604-259-056  
Fax: +44(0)1604-231-489  
E-mail: alex.lambie@bindt.org

## CONFIRMED MINUTES OF THE 24<sup>th</sup> MEETING OF THE UK NATIONAL AEROSPACE NDT BOARD

Meeting Date: Wednesday 14<sup>th</sup> April 2010

Location: Bombardier, Belfast.

The meeting was opened at 09:30 by Mr. Jon Biddulph, the Chairman of the Board.

1. Confirmation of the agenda. (See attached). The agenda was confirmed with the addition of item **13c**.
2. Attendance & apologies for absence
  - a. The meeting was attended by Messrs. J Biddulph (Chairman, Rolls Royce), K Phillips (Airbus UK), G McCully (Outside Agencies, Co-opted), T Blacklay (CAA – Observer), C Dootson (BAE Systems), C Thomas (Messier Dowty), C Lawrence (CAA – Observer), C Worrall (British Airways) and B Scott (Bombardier).
  - b. Apologies were recorded for Messrs., P Berkley (Agusta Westland), D Griffin (UK TEG), B Rossiter and B Murrell (Messier Dowty), S Gane (Honeywell) and A Lambie (Secretary, BINDT).
3. Notes of the last meeting
  - a. The minutes from the previous meeting were not confirmed as a number of changes were requested. It was agreed that the minutes would be reviewed, circulated for approval and forwarded to AL to upload.

**2010/07: Action JB to review minutes from the 23<sup>rd</sup> meeting of the UK NANDTB and circulate to Board members for approval then forward to AL.**

### ACTIONS ALLOCATED AT THE 23<sup>rd</sup> MEETING OF THE UK NANDTB

Ref	Agreed action	Assignment	Remarks
2008/45	Draft communiqué on BINDT accreditation of training and examinations administered by internal qualifying agencies to CAA Surveyors, and pass draft for comment to JB and AL.	CL & TB	Work in progress, complete ppt. by end of April 2010.
2009/09	NANDTB log prominence on BINDT website	AWL	AL to give details at next meeting.
2009/18	Distribute Level 2 & 3 Specific papers to members for comment	AL + members listed at 8a	Ongoing. Meeting held on 13 <sup>th</sup> April 2010 by sub-team. New action required.
2009/20	NANDTB 16 Sub Group to review document until a standard certificate or template is agreed	CT, GMc, DG	Ongoing

2009/23	CP 14 To include Root cause analysis	AL	Complete
2009/24	Sub group to develop GR 23 and pass on to TB	TB ,JB, GMc & CT	Complete
2009/25	Composites, NDT methods/techniques, training and approval requirements, circulate to members	AL	NAndtB 19 approved and needs to be uploaded to Board website
2009/26	EN4179 requirement for time spent on each subject area within training outlines to be documented, board to issue an advisory.	JB	AIA clarification given. New action. JB to draft training hours advisory.
2009/28	Advisory ref Use of NANDTB of Member states outside the EU (NANDTB/21)	AL	Changes made. Issue to website. Ongoing.
2010/01	NANDTB16 dated and ready for use 18 months, await responses from Action 2010/03	AL	Complete . Document ready to be uploaded to the website. Action 2010/03 will remain open
2010/02	NANDTB document (NANDTB 22) to define usage of logo (size , only use on certificates etc) issue document when NANDTB 16 is finalised	AL	Ongoing
2010/03	NANDTB16 Sub-group –Request outside agencies what they believe they are competent to deliver and what they are approved to deliver.	CT, GMc, DG	Ongoing
2010/04	Change NANDTB documents to read EN4179:2009 change website statement	AL	Complete, passed to secretary to upload to website.
2010/05	AL send out current accreditation check list and process for sub group to review.	AL	Complete
2010/06	Issue UK vision policy as NANDTB /20 if the feedback from the Nadcap NDT task group is positive.	AL	Positive response received. New action required.

b. There was a short discussion on the current secretariat support to the Board and the ongoing issue of lack of prominence of the Boards website.

**2010/08: Action JB to arrange meeting with AL and Matt Gallagher to discuss future BINDT support to the Board.**

**2010/09 Action CT to investigate costs of setting up and maintaining an independent website.**

#### 4. Membership

- a. Alun Williams has been added as a secondary member representing Airbus UK.
- b. NAndtB 06 was reviewed and some telephone numbers were change. (See attached).
- c. TB stated that he believed the MOD should have an observer representative on the Board. There was agreement that this could be worthwhile.

**2010/12 Action TB to discuss possibilities with MOD representative.**

5. NAndtB documents due review within next 6 month period

a. NANDTB 16.

This document was reviewed, approved and is ready for uploading to the website.

**2010/01 Action AL to arrange upload to website.**

b. NANDTB 14

This presentation needs to be amended to become a NANDTB document. NANDTB document number needs to be stated in the document, "Presentation compiled by Jon Biddulph..... is to be removed from the front page and the "Questions" removed from the back page.

**2010/13 Action AL to amend NANDTB 14 and upload to the website.**

6. Documents for discussion/approval

a. NANDTB 16 –This document was discussed as stated in 5 a. The action below will continue until some resolution is obtained.

**Action 2009/20 NANDTB 16, Sub Group (CT, GMc, DG) to review document until a standard certificate or template is agreed on.**

b. CP 14 OA – Changes to this document were reviewed and accepted by the Board.

**Action 2009/23 is now complete.**

c. GR23 – TB stated that this document has now been published and is available on the CAA website. This revision of GR23 will make the requirement for training and qualification examinations to be under the control of the UK NANDTB mandatory for NDT personnel operating under part 21.

d. EN4179 requirement for time spent on each subject area within training outlines to be documented was discussed. The clarification given by the AIA on this topic was discussed and it was agreed that the Board would need to issue guidelines to UK industry.

**2010/14 Action JB is to draft an advisory on this subject for discussion at the next Board meeting.**

e. Outside Agency audit process- Three members of the Sub-team (BS, CD, TB) and the Chairman met on 13<sup>th</sup> April 2010 to initiate the review of the audit process. The initial thoughts were presented to the Board for review. See attached.

It was agreed that the sub-team would continue the review prior to the next meeting.

**2010/15 Action Sub-team (see below) to discuss presentation with the members that were unable to attend the Belfast meeting.**

**2010/16 Action. BS and CD to compile initial standardised checklist for review at the next meeting.**

Sub group to review audit process

P Milligan BINDT

A Lambie BINDT

B. Scott Bombardier Chair

C. Dootson BAE

S. Gane Honeywell

T. Blacklay CAA (Observer)

f. Report Eyesight working group.(JB) – Presentation Andy Bakewell (Chart , Comparative vision Standards) .

JB presented to the Board the suggested protocols required when using the Tumbling E chart. The protocols were discussed and some suggestions for change given. It was stated that the Tumbling E presentation was received well at the Nadcap NDT task group giving it some international exposure. The Board agreed that the UK should press ahead with its implementation as soon as the original presentation and the protocols are revised. Andy Bakewell and GMcC will be giving presentations at the Aerospace Symposium on 28/29 April 2010 on the eyesight proposals and Board activities respectively.

**Action 2010/06 on AL to issue as NANDTB/20 when presentation and protocols are revised.**

7. Draft communiqué on BINDT accreditation of training and examinations administered by internal qualifying agencies to CAA Surveyors (TB, CL)

**Action 2008/45 on CL & TB ongoing**

8. Review and approval of PCN examination papers

A meeting was held on 13<sup>th</sup> April 2010 and the PCN examination papers were discussed by some members of the specific paper review members. A presentation of the review was given to the Board. See attached.

There was a general consensus that many of the questions were not "specific" as defined by EN4179. CT informed the Board that it was very difficult to write specific questions when there are no procedures or specifications to write them against. CT also stated that the questions should not be reviewed independently but should be reviewed against the syllabi and the question references.

Specific Papers to be reviewed by:

MT - SG, BS  
UT - JB, KP  
PT - SG, KP  
RT - CD, PB  
ET - PB, CD

**Action 2009/18 on listed personnel to return papers with comments to AL**

**Action 2010/10 AL to supply PCN syllabi and question references to the specific paper review team (review Team above), who need to then review the PCN questions against PCN syllabi and question references.**

9. Control of Qualifying Agencies .

There was no review carried out of this activity.

10. Outside Agency Questions and Interpretations (GMcC)

In response to a question by CT, TB confirmed that the intent of GR23 Para 1.5 is that any additional training or certification examinations must be performed by a BINDT approved Outside Agency.

11. ANDTBF (JB)

The Tumbling E vision requirement presentation will be given at the next meeting of ANDTBF.

12. Report from TEG (DG)

(a) Steve Lavender has resigned as Chairman of TEG.

- (b) CT stated that Steve Lavender had sent a letter to the Board but it had not been on the agenda. In the absence of the Secretary JB confirmed that he had no knowledge of the letter being received.

13. Any other business

- a) Level 3 re-certification by the credit system EN 4179 Annex A (TB).

TB gave the Board a short presentation on the above subject and stated that his interpretation was that recertification by points should be controlled by the Board.

It was agreed that a sub-group would be set up to report back to the Board on this issue.

**Action 2010/17 JB, CD and BS to review EN4179 Annex A and report back to the Board with their recommendations.**

- b) NADCAP Auditor Advisory NDT-08-04 (TB)

TB highlighted his concerns about the above Nadcap Auditor Advisory. Although he recognised the need for Nadcap addressing this issue he stated that he believed the Board should be giving guidance to the UK industry.

**Action 2010/18 JB, CD and BS to discuss this advisory and report back at the next meeting.**

- c) Thermography

CT stated that he wanted to highlight to the Board the continuing problems in the industry related to training and approving personnel in Thermography. It is extremely difficult to get Level 3 approvals and therefore the industry is struggling to comply with EN4179.

14. The date and location of the 25<sup>th</sup> meeting of the UK NANDTB was noted as being:

- a) 16<sup>th</sup> June 2010 Caparo Testing, Reigate
- b) The UK NANDTB agreed that upcoming activities required the Board to meet more frequently in order to be more responsive to UK Aerospace Industry needs and will therefore meet 6 times per year with immediate effect.

The dates proposed were as follows:

25 <sup>th</sup> August	MT&D , Cardiff
13 <sup>th</sup> October	BINDT, Northampton
01 <sup>st</sup> December	Airbus, Filton

There being no other business the meeting was closed at 16:15.

**ANNEX A: ACTIONS ALLOCATED AT THE 24<sup>th</sup> MEETING OF THE UK NANADTB**

Ref	Agreed action	Assignment	Remarks
2008/45	Draft communiqué on BINDT accreditation of training and examinations administered by internal qualifying agencies to CAA Surveyors, and pass draft for comment to JB and AL.	CL & TB	Presentation to be completed by the end of April. Item 7 on agenda at 25 <sup>th</sup> meeting
2009/09	NANDTB logo prominence on BINDT website	AWL	AL to report to give details at next meeting.
2009/18	Distribute Level 2 & 3 Specific papers to members for comment	AL + members listed at 8a	Ongoing. Item 8 on agenda at 25 <sup>th</sup> meeting

2009/20	NANDTB 16 Sub Group to review document until a standard certificate or template is agreed	CT, GMc, DG	Ongoing. Item 6 a. On agenda at 25 <sup>th</sup> meeting
2009/25	Composites, NDT methods/techniques, training and approval requirements, circulate to members	AL	NAndtB 19 approved and needs to be uploaded to Board website <b>Completed 2010-03-29</b>
2009/26	EN4179 requirement for time spent on each subject area within training outlines to be documented, board to issue an advisory.	JB	Item 6 b. On agenda at 25 <sup>th</sup> meeting
2009/28	Advisory ref Use of NANDTB of Member states outside the EU (NANDTB/21)	AL	Issue to website. <b>Completed 2010-04-13</b>
2010/01	NANDTB16 dated and ready for use 18 months, await responses from Action 2010/03	AL	Issue to website <b>Awaiting completion of action 2010/03</b>
2010/02	NANDTB document (NANDTB 22) to define usage of logo (size , only use on certificates etc) issue document when NANDTB 16 is finalised	AL	Item 6 f on agenda at 25 <sup>th</sup> meeting
2010/03	NANDTB16 Sub-group –Request outside agencies what they believe they are competent to deliver and what they are approved to deliver.	CT, GMc, DG	Item 6 a. At 25 <sup>th</sup> meeting
2010/04	Change NANDTB documents to read EN4179:2009 change website statement	AL	Changes to documents and website to be auctioned <b>Completed</b>
2010/06	NANDTB /20 to be revised by Vision requirements sub-team incorporating new protocols.	AL,JB, TB,DG	Item 6 d. On agenda at 25 <sup>th</sup> meeting
2010/07	Minutes of the 23 <sup>rd</sup> meeting of the UK NANDTB are to be reviewed, circulated to Board members for approval and forwarded to AL for upload.	JB	<b>Completed 2010-04-30</b>
2010/08	Meeting to be arranged with AL and Matt Gallagher to discuss future BINDT support to the Board.	JB	<b>Completed 2010-04-30</b> AL to continue supporting the Board.
2010/09	An exploration into the costing of setting up and maintaining an independent Board website is to be carried.	CT	Item 11 a. On agenda at 25 <sup>th</sup> meeting
2010/10	PCN syllabi and question references to be forwarded to review team  PCN questions are to be reviewed against PCN syllabus and question references.	AL  Members listed at 8a	Emailed to members Item 8 on agenda at 25 <sup>th</sup> meeting
2010/11	Current uptake of PCN Aero exams is to be supplied to the Board members	AL	Present figures at 25 <sup>th</sup> Meeting 16 <sup>th</sup> June 2010. Item 11 b. On agenda at 25 <sup>th</sup> meeting

2010/12	Investigate the possibility of the MOD having a representative on the Board	TB	Item 4 a. On agenda at 25 <sup>th</sup> meeting
2010/13	NANDTB 14 to be amended and uploaded to the website	AL	Complete 2010-04-30
2010/14	An advisory is to be drafted to provide Board guidelines on EN4179 requirement that time spent in each subject area needs be documented in training course outlines.	JB	Item 6 b. On agenda at 25 <sup>th</sup> meeting
2010/15	Sub-team to discuss OA audit process presentation and continue with the review.	BS Members listed in 6e	Item 6 c. On agenda at 25 <sup>th</sup> meeting
2010/16	Compile initial standardised checklist for OA audits.	BS, CD	Item 6 c. (i) On agenda at 25 <sup>th</sup> meeting
2010/17	A review of EN4179 Annex A is to be carried out and a report presented to the Board	JB, CD, BS	Item 6 e. On agenda at 25 <sup>th</sup> meeting
2010/18	A review of the Nadcap advisory NDT 08 04 is to be carried out and guidelines presented at the next meeting.	JB, CD, BS	Item 9 on agenda at 25 <sup>th</sup> meeting