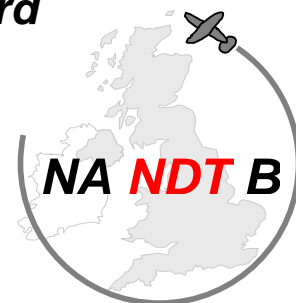


# 23<sup>rd</sup> Meeting UK National Aerospace **NDT** Board



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## CONFIRMED MINUTES OF THE 23<sup>rd</sup> MEETING OF THE UK NATIONAL AEROSPACE NDT BOARD

Meeting Date: Wednesday 17<sup>th</sup> February 2010

Location: BINDT, Northampton University

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

1. Confirmation of the agenda. The agenda was confirmed with the addition of items 13 A & B.
2. Attendance & apologies for absence
  - a. The meeting was attended by Messrs. J Biddulph (Rolls Royce)(Chairman), T Hiscox (Airbus UK), G McCully (Caparo), T Blacklay (CAA), C Dootson (BAE Systems), C Thomas (Messier Dowty), P Berkley (Agusta Westland), B Scott (Bombardier), S Gane (Honeywell) and A Lambie (BINDT)(Secretary).
  - b. Apologies were recorded for Messrs. C Lawrence (CAA), K Phillips (Airbus UK), D Griffin ( UK TEG), B Rossiter and B Murrell (Messier Dowty),
3. Notes of the last meeting
  - a. The minutes from the previous meeting were confirmed by members present and the minutes were authorised for upload to the Board's web pages as Confirmed Minutes.

### ACTIONS ALLOCATED AT THE 22<sup>nd</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 JB and AL	Present at next meeting. Action on CL & TB Item 7 on agenda
2009/14	Generate standard certificate template, circulate to members.	GMc	Discuss at next meeting. Item 6 a. New Action see 2009/20
2009/09	NANDTB log prominence on BINDT website	AWL	2010-04-14 With David Gilbert BINDT Ongoing
2009/18	Distribute Level 2 & 3 Specific papers to members for comment	AL + members listed at 3b	Papers to members by 2009-11-20 Comments to AL by 2009-12-19 Item 8 on agenda.

2009/19	Review NANDTB 13, 14 & 16	All members	Before next NANDTB Meeting Any comments to be presented at next meeting. No comments up issue NANDTB/13 & /14, Complete. NANDTB/16 covered at item 6a.
2009/20	NANDTB/16 Sub Group to review document and present findings at next meeting.	CT, G Mc, DG	Circulate draft to all members by 2010-01-11 Item 6a on agenda
2009/21	Eyesight working group,	TB,DG, JB and Andy Bakewell	Report at next meeting Item 6e on agenda
2009/22	Method/Technique Matrix (NANDTB/18), write an explanatory introduction.	CT	Complete AL Issue to website
2009/23	CP 14 To include Root cause analysis, issue amended document if approved.	AL	AL to take to CMC, Discuss with Board
2009/24	Sub group to develop GR 23 and pass on to TB	TB .JB, GMc & CT	Draft GR 23, present at next meeting Item 6d. CAA plan to issue GR23 in March 2010
2009/25	Composites, NDT methods/techniques, training and approval requirements, circulate to members (NANDTB 19)	AL	AL to collate comments and issue to website. Ongoing
2009/26	EN4179 requirement for time spent on each subject area within training outlines to be documented, board to issue an advisory.	JB	Item 6e of Agenda Ongoing
2009/27	NANDTB/03 Amend	AL	Complete
2009/28	Advisory ref. Use of NANDTB of Member states outside the EU	GMC	Present at next meeting

**b. 2009/22:** Explanatory introduction completed by CT. **Action AL to add to the matrix and issue as NANDTB/18.** JB enquired if SQUID was included on the list, it was not and JB explained what he knew of the method. CT stated any new applications can be put to the board and added to the document in the future.

**c. 2009/25:** The UK Boards document addressing definitions, methods/techniques, training and qualification for NDT of composites was agreed by Board members and will be published as NANDTB/19. **Action AL to circulate to members for comment, up load to website if no comments**

**d. 2009/09** JB enquired about the status on the prominence of the NANDTB Logo on the website having written to Matt Gallagher (CEO BINDT) who agreed that this issue needed to be addressed. AL reported that the issue was ongoing with the IT department and would get feedback from David Gilbert and report back at next meeting

**Action 2009/09 AL to feedback to board at next meeting how this is progressing.**

e. **2009/26** Advisory relating to requirement for time spent on each subject area within training outlines to be documented. The UK Board has been establishing its position on the Nadcap requirement for training outlines to define the minimum time to be spent on each subject area. The UK Board is strongly of the opinion that time spent on each subject area should be at the discretion of the trainer, however all subject areas must be covered and evidence documented. The Board had originally intended to issue a UK advisory but is now seeking resolution via the AIA NDT working group interpretation process.

**2009/26: Action report back from AIA NDT working group at next meeting**

f. **2009/28** Gmc - Advisory ref. the use of the UK NANDTB by countries or organisations outside of the UK was presented to the board and amended during the meeting. To be issued as NANDTB/21

1. Membership

a. This was Trevor Hiscox's last meeting and the Chairman thanked him for the time and commitment he had given to the Board. Airbus will nominate a replacement and notify the board once the official decision has been made.

2. NANDTB documents due review within next 6 month period

- a. NANDTB/13.
- b. NANDTB/14.
- c. NANDTB16. See item 6a.

3. Documents for discussion/approval

a. NANDTB/16: Sub-group presented to the Board changes to the essential information to be included on or associated with Outside Agency training and examination certificates after feedback from Outside Agencies. These were agreed by the Board allowing Outside Agencies, whose training and qualification certificates comply with NANDTB/16, to include the UK NANDTB logo on their certificates.

This agreement is limited to a period of 18 months by which time the Board wishes to see the introduction of standardised certificates for training and qualification. The board agreed that if the outside agencies did not comply they would not be allowed to use the NANDTB logo. This statement was to be included within NANDTB/16.

JB requested the sub-group remain active to ensure this is achieved.

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

It was agreed that the BINDT Certificate approval statement that outside agencies insert on the back of the certificate be included within NANDTB/16

**Action 2010/01 on AL NANDTB/16 dated and ready for use 18 months, await responses from Action 2010/03 before this change is implemented**

JB highlighted that the Board needs to have rules and guidance on the use of the NANDTB logo. CT added that the logo should be only for use on certificates.

**Action 2010/02 on AL to write NANDTB document (NANDTB/22) to define usage of logo (size , only use on certificates etc) issue document when NANDTB/16 is finalised**

Sub group would like the NANDTB Logo to be included on BINDT Approval Certificates. This was agreed at the last meeting, with the BINDT statement on the reverse of the certificate.

The sub group felt that the following 'scope' items should be included on the OA approval certificates:

- (i) Training and Examinations in accordance with EN4179/NAS410
- (II) Methods and Techniques covered
- (III) Metallic and/or composite materials

JB requested that before new approval certificates are issued, we wait for the Outside Agencies to respond with what they think their own approval scope should be and therefore see if the Board needs to be more prescriptive or use of the three 'scope' items as previous.

**Action 2010/03 Sub-group to request Outside Agencies what they believe they are competent to deliver and what they are approved to deliver.**

- b. EN 4179:2009

EN4179:2009 has been published by CEN and the Board agreed that this should come into force with immediate effect across the UK Aerospace Industry as the content is the same as prEN4179:2008.

**Action 2010/04 AL to change NANDTB documents to read EN4179:2009 and change website statement.**

- c. CP 14: add requirement to address root cause analysis as this normal practice within the Aerospace sector

**Action 2009/23 AL to amend CP14.**

JB asked members how they thought the BINDT Outside Agency accreditation scheme was operating and did we need to be more engaged as a board with the process? The BINDT accreditation scheme was already in place when the Board formed and recognised the scheme, however now the Boards strategy is fully implemented and we proceed further, should the Board have a greater input/control of how the audits are carried out on behalf of the Board. The Nadcap model is a good model to compare to.

Agreed that a sub group be set up to review the current process and report back to the Board with a go forward proposal. The following volunteered to join the sub group:

- P Milligan BINDT
- A Lambie BINDT
- B. Scott Bombardier (Chair)
- C. Dootson BAE
- S. Gane Honeywell
- T. Blacklay CAA (Observer)

CT commented that if the latest draft of GR 23 was issued, this would impact part 21 organisations and could potentially generate an increased load on the Board.

**Action 2010/05 on AL to send out current accreditation checklists and process specs for review by the sub group.**

- d. JB had submitted the output of the GR 23 sub group to CAA. TB stated that there had been a few amendments made after internal CAA review and shared these with the Board for comment. TB anticipated that GR23 would be published in March 2010.
- e. Andy Bakewell on behalf of the sub group, which had met to address UK policy for vision requirements for NDT personnel in response to the new vision requirements in EN4179, presented a proposal to Board members. The proposal includes an interim policy statement and a future policy based upon the promotion of a new global standard using Tumbling E's. The Board agreed the interim policy and also accepted use of the Tumbling E chart subject to definition of testing protocol. The proposal will be presented to the Nadcap NDT Task Group in Rome, depending on reaction and feedback the document this may be published as NANDTB/20.

**Action 2010/06 on AL issue as NANDTB/20 if the feedback from the Nadcap NDT task group is positive.**

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

TB reported that the CAA had been contracted and CL would provide training on EN 4179 and control of NDT in UAE, the presentation material will then be used to develop training material for regional office surveyors assessors, once this is complete this will be presented to the Board. Specifically with regard to control of internal agencies and how they should be audited. TB said he also had produced a list of FAQ's that he could also send that would be of some help.

JB stated that there are currently only two or three companies with BINDT accreditation of their internal training and qualification. Part 145 organisations maybe using outside agencies or have personnel PCN qualified and are therefore not carrying out any internal training in accordance with 4179. JB's concern is, that the requirement is there in part 145, the UK Board has put it's policies in place but there may be organisations that are not necessarily compliant with part 145. JB asked is it the board's responsibility to monitor this?

TB stated that the CAA should enforce NANDTB's policy.

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

8. Review and approval of PCN examination papers
  - a. Papers distributed after the meeting, specific questions to be reviewed and highlight to AL if not happy that the papers are not specific.

CT stated that comments need to be constructive. JB stated that if reviewers were not happy with the questions to flag this up and a separate meeting would be convened. JB did not want to get to the next meeting with the same concerns being expressed.

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**

9. Control of Qualifying Agencies (GMc & CT left the room)
  - a. PCN: AQB Audit Programme
  - b. Other: OA Audit Programme and reports
    - i) AIT, Norwich, Surveillance

AL reported audit findings to the Board

- c. Initial OA application
  - i) Test NDT International, Initial, Preston

The question was asked if Test NDT International hold an accredited QMS and the answer was No. The Board asked BINDT procedures required an accredited QMS. The opinion of the Board was that in order to maintain a level playing field, accredited Outside Agencies must have an accredited QMS.

The approval certificate for both companies will have to be reviewed once action 2010/03 is complete, this will apply to all current approvals issued, before the Board agrees for their logo to be used on the companies approval certificate.

10. Outside Agency Questions and Interpretations (GMc)

No issues raised.

11. ANDTBF (JB)

The Board reviewed output from the Swiss NANDTB, submitted via the Aerospace NDT Board Forum (ANDTBF) for adoption by all member National Boards. This covered eyesight test equivalencies, rules for gaining experience in multiple methods and process for acceptance alternative qualifications/certifications. None of the proposals were accepted by the UK NANDTB. It was proposed that the UK NANDTB policy on eyesight testing be shared with the ANDTBF.

12. Report from TEG (DG)

No report.

13. Any other business

- a) Test NDT letter – This was discussed by JB with members present and it was decided that JB would contact Test NDT International and discuss the contents of the letter.
- b) CEN Document (Common Policy guidance for addressing standardisation of qualification of professions and personnel)

**Action 2010/07 on AL to provide a statement on what this document means and what the likely impact (if any) will be and in what timeframe.**

14. The date(s) and location(s) of the 24th meeting of the UK NANDTB were noted as being:

- a) 14<sup>th</sup> April, Bombardier, Belfast
- 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 new dates proposed were as follows:

14 <sup>th</sup> April	Bombardier, Belfast
16 <sup>th</sup> June	Caparo Testing, Reigate
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 17:15.

**ANNEX A: ACTIONS ALLOCATED AT THE 23<sup>rd</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	Present at next meeting.
2009/09	NANDTB log prominence on BINDT website	AL	2010-04-14 report back to board at next meeting
2009/18	Distribute Level 2 & 3 Specific papers to members for comment	AL + members listed at 3b	Papers to members Comments to AL by 2010-04-08.
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	Amend and publish

2009/24	Sub group to develop GR 23 and pass on to TB	TB ,JB, GMc & CT	GR 23 Draft, present at next meeting Item 6 d. CAA plan to issue GR23 in March 2010 GR 23 Issued
2009/25	Composites, NDT methods/techniques, training and approval requirements, circulate to members	AL	AL to collate comments and issue to website
2009/26	EN4179 requirement for time spent on each subject area within training outlines to be documented, board to issue an advisory.	JB	Report back from AIA NDT working group at next meeting
2009/28	Advisory ref. Use of NANDTB of Member states outside the EU (NANDTB/21)	AL	Issue to website.
2010/01	NANDTB16 dated and ready for use 18 months, await responses from Action 2010/03	AL	Issue once replies have been received for Action 2010/03
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	
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	
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	
2010/06	Issue UK vision policy as NANDTB /20 if the feedback from the Nadcap NDT task group is positive.	AL	Issue if the response from the Nadcap NDT task group is positive.
2010/07	Provide a statement on what the CEN document means and what the likely impact (if any) will be and in what timeframe.	AL	Provide statement to Chair.