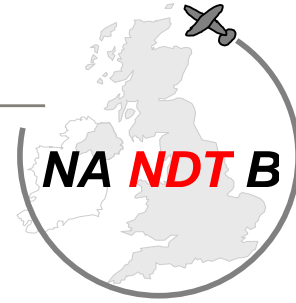


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UNCONFIRMED NOTES OF THE 15TH MEETING OF THE UK NATIONAL AEROSPACE NDT BOARD

Meeting Date: 19th February 2008

Location: Bombardier, Belfast

1. The [agenda](#) was confirmed with the addition of three items.
2. Attendance & apologies for absence
 - a. The meeting was attended by: Graham McCully (Co-opted), Chris Dootson (BAE - Member), John Thompson (Secretary), Jon Biddulph (RR - Chairman), Eric McLroy (Bombardier - Member), Ian Chapman (CAA - Observer), Keith Phillips (Airbus UK), Brian Rossiter (Messier), Phil Berkeley (Agusta Westland), and Bobby Scott (Bombardier).
 - b. Apologies: Stanley Gane, Colin Thomas, John Hewitt, Roger Hogarth, and Dave Griffin.
3. Minutes of the last meeting
 - a. The [minutes of the last meeting](#) were accepted as accurate, but were [amended](#) to reflect a change in policy regarding introduction of new technology (in relation to Barkhausen inspection).
 - b. Actions and matters arising from the last meeting (not covered by the agenda)
 - i. 2007/27. CT had Provided the training [syllabus](#) on Barkhausen Noise Testing to the Secretary. The meeting agreed that this should not be published as NANDTB guidance for the time being.
 - ii. 2007/15. CT reported that the issue of standardizing certificates/notice of results across the training organizations was proving difficult, in spite of many attempts to resolve issues. The Board therefore decided to publish the essential requirements for data to be provided on training and examination certificates and data sheets as a Board paper, which would be implemented through BINDT Qualifying Agency assessments with effect from 1st Sept 08. However, the Board emphasized that it did not agree to the use of its logo on Qualifying Agency certificates. Action: Sec. to format and publish as [NANDTB/16](#) entitled "Essential information to be included on Qualifying Agency training and examination reports and/or certificates"
 - iii. 2007/25. prEN4179 – NAS-410. The Secretary reported having attempted to make enquiries through ACE 61 regarding further progression of the draft standard. However, the ACE 61 Project Manager was unaware of the ongoing work. The Chairman accepted an action to enquire through Steve James at ASD. **Action 2008/01: Chairman.**

4. Membership ([current list](#))
 - a. The Board noted the status of their membership(s) and reconfirmed contact details.
 - b. CT had reported (via a written report tabled in his absence) that Messier-Dowty Ltd has now split the Nominated NDT Level 3 position. Brian Rossiter will be the Nomination for their Part 21 approval, and CT will retain the Nomination for their Part 145 approval. This will be formally notified to the Board via their Quality representative in due course. Mr Rossiter was in attendance. **Action 2008/02: BR to confirm status to Secretary.**
5. The Board reviewed the status of its publications listed in [NANDTB/01](#), noting that there were no reviews due before the next meeting, and that a number of documents were being updated or newly approved at the present meeting.
 - a. The Board's NAndtB/14 (introduction of new technology through examinations under the control of the NANDTB) had been updated and was to be uploaded as a PowerPoint file. It was recognised that this needed to be brought to the attention of EASA part 145 organisations, and this might best be done by the CAA advising such organisations to access this through the Board's web pages. **Action 2008/03: Secretary/Ian Chapman.**
6. External regulations, standards or specifications (to advise/note changes)
 - a. GR23 status: IC reported that comments from EASA part 21 organisations had resulted in minor amendments, and that the likely publication date for the new revision is October 2008.
 - b. It was reported that Ian Wyles (EASA) had indicated that there was presently no priority within EASA for the review and revision (and harmonisation) of the parts 21 and 145 regulations. It was suggested that a letter be sent to Francis Banal of EASA highlighting the urgent need for such a review/revision, though it was felt that this would have a greater impact were it to originate from the EU NANDTB Forum. **Action 2008/04: Secretary to refer this to the next meeting of the Forum (5th/6th June 2008, Amsterdam).**
 - c. Asked whether EASA intends to take over the role of maintaining an overview of implementation of regulations from national authorities, Ian Chapman responded that there was presently no evidence of this, and that the CAA would continue to fulfil this responsibility in the UK for the foreseeable future.
7. Control of PCN qualification examinations
 - a. The existing procedure ([NANDTB/13](#)) had been updated to reflect the involvement of the Board in the compilation from the central examination question database of aerospace sector examination papers.
 - b. The revised procedure ([NANDTB/13B](#)) was to supersede this, and Chris Dootson agreed to take the example UT2 general and specific papers provided by the Secretary, and to analyse the degree of effort required to review and approve these in order to determine whether this needed an extraordinary meeting of the Board, or whether it could be handled under normal business at a scheduled meeting. **Action 2008/05: Chris Dootson.**
 - c. The Secretary advised that the process of introduction of new examination papers was covered by internal procedures. He agreed to circulate a copy of PCN internal procedure PIP/12 to the Board Members. **Action 2008/06: Secretary.**
8. Reports of audits of Qualifying Agencies
 - a. PCN: the [AQB](#) Audit Programme was reviewed, and reports of two assessments were presented and noted.
 - b. The [OA Audit Programme](#) was made available, and one qualifying Agency assessment was reported and noted.
9. Interpretation of standards
 - a. [EN 4179 : 2005](#) clause 6.3 Table 2 note 'a' had been highlighted as potentially ambiguous. Trevor Hiscox had brought to the attention of the Secretary that this had

been the subject of a published interpretation, which is [annexed](#) to these minutes. The Chairman agreed to investigate whether such interpretations were publicly accessible.
Action 2008/07: Jon Biddulph.

10. Introduction of new technologies

- a. The Board was presented with a detailed review of the implementation of pulsed infrared thermographic testing within Bombardier by Andy Kelly, who attended this part of the meeting for this specific presentation.
- b. Eric Mcllroy raised the question of how to approve / certify a Level 3 for Pulsed Thermographic Testing under EASA part 145 and GR23.
 - i. GR23 appeared to offer four routes to satisfying the requirement for providing Level 3 coverage for conventional existing NDT methods, but this would prove difficult to satisfy when new testing technologies were being introduced.
 - ii. He argued for a 5th route: the recognition of examinations conducted by a competent Outside Agency, leading to the issue of a company (EN 4179) Level 3 certificate accepted by the CAA for the provision of 'additional' Level 3 certification where the method concerned was not covered by the 'nominated' Level 3's certification.
 - iii. Ian Chapman was of the opinion that it was not necessary to include this as a documented option within GR23, and suggested that Mr. Mcllroy discuss options with the CAA surveyor assigned to Bombardier, since he was of the view that the fifth option suggested would be deemed acceptable at that level.

11. Any other business

- a. Phil Berkley asked for opinions on the status of electronic records: could they replace hard copies?
 - i. The Secretary advised that BINDT Certification Services was accepting the use of purely electronic records so long as ready access, traceability and preservation was at least as good as that for hard copy. He stated that there was no specific prohibition of this as a policy in the standards applicable to accreditation of certification bodies.
 - ii. Ian Chapman agreed that the use of electronic records as sole records was permissible as a concept provided the above conditions were satisfied, adding that an acceptable disaster recovery plan would be essential.
- b. Draft [PCN/Aero appendix 7](#) (NDT of composites) was tabled and discussed.
 - i. The Secretary gave some information on the background to this development, pointing out that it had been initiated for PCN aerospace sector examinations many years ago, but shelved due to a perceived lack of demand. Stating that the initiative to continue the development had come for a perceived need in the motor sports and composites manufacturing industries.
 - ii. The Board agreed to participate in the development of the draft, recognising that the content of the present PCN/Aero UT syllabus might mislead employers and specifies of qualifications to believe that the PCN Aero UT examination tested the competence of the candidate to inspect composite materials, components or structure.
 - iii. The Secretary agreed to expand the present draft, and to circulate for review and comment prior to updating this for discussion at the next meeting. **Action 2008/08: Secretary.**
- c. There was a brief discussion on whether there were any proposals for new work items. The Quality of training provision was discussed, and it was accepted that BINDT OA accreditation covers this.
- d. The Chairman invited discussion on the frequency of meetings, and the Board agreed to defer discussion of this until the next meeting.

12. Date and location of the 17th meeting of the UK NAndtB: Thursday 22nd May 2008 at SWS of NDT, Pentwyn, Cardiff.

Summary of agreed actions

Reference	Agreed action	Assignment	Remarks
2008/01	prEN4179 – NAS-410 revision. Enquire about status and progress through Steve James at ASD	Chairman	
2008/02	Formally advise the secretary of the status of the personnel representing Messier Dowty on the NANSTB to enable the membership details to be updated.	Brian Rossiter	
2008/03	CAA to investigate the possibility of advising part 145 organisations to access new information posted on the Board's web pages.	Ian Chapman	
2008/04	Bring up the question of the EU Forum for NANDTB re-emphasising to EASA the need for urgency in the review and revision, perhaps harmonisation or combination, of EASA parts 21 and 145	Secretary	
2008/05	Analyse and report the degree of effort required to review and approve PCN examination papers in accordance with NANDTB/13B	Chris Dootson	
2008/06	Circulate a copy of PCN internal procedure PIP/12 to Board Members for information.	Secretary	
2008/07	Investigate and report whether NAS-410 / EN 4179 interpretations are publicly accessible.	Chairman	
2008/08	Expand the present draft PCN/AERO Appendix 7 (NDT of Composites), and circulate for review and comment prior to updating this for discussion at the next meeting.	Secretary	