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**CONFIRMED NOTES OF THE 43rd MEETING OF THE
 UK NATIONAL AEROSPACE NDT BOARD**

Meeting Date: 26 June 2013, 09:00
 Location: Airbus at the Testia Ltd (EADS), Newport facility

NANDTB/2013/M3

- 1. Confirmation of the agenda (and any other business)**
- 2. Attendance & apologies for absence (Annex A)**
 As per attached attendance sheet.
- 3. Notes of the 42nd meeting (distributed earlier)**

a. Confirmation

The Board reviewed the minutes and they were approved with one small spelling error being corrected.

b. Review of allocated actions

Ref	Actions brought forward	Remarks
03/2013	NLS to tender out the requirement for specific questions written against the new essential standards list.	CLOSED
06/2013	C Worrall (LEAD), G McCully, C Thomas, T Blacklay, S Algar to review NANDTB-18. Comments to be submitted to J Cook by close of business 5th April 2013 for implementation with approval at the next meeting.	Ongoing Document update to be postponed until publication of new issue EN 4179
08/2013	B Scott (LEAD), C Worrall, D Griffin to create a new document, NANDTB-27, on policy. Comments to be submitted to J Cook by close of business 5th April 2013 for implementation with approval at the next meeting.	Ongoing
13/2013	B Scott (LEAD), N Scutt, C Thomas, C Dootson, S Algar P Berkley, K Phillips, A Williams, C Dootson, J Biddulph to review and amend NANDTB-21 conformance clarification.	Ongoing WG to continue outside the main meetings.
17/2013	J Biddulph to contact the MoD confirm who their nominee will be and to clarify the responsibilities of the Board members.	CLOSED Discussed under agenda item 4.
18/2013	J Cook to distribute the draft OA flowchart for comment by the Board. Response from the Board required	CLOSED Action no longer relevant
19/2013	J Cook to contact Chromalloy (Thailand) to confirm their understanding of the NANDTB-21.	CLOSED Action falls under the remit of action 13/2013 WG
20/2013	J Cook to contact Thai Airways to confirm their requirement for affiliation or other and to clarify their affiliation with the Australian NANDTB and subsequently to confirm their understanding of the NANDTB-21 if affiliation is what they require.	CLOSED Action falls under the remit of action 13/2013 WG
21/2013	N Scutt to arrange a date for the review of ET questions	Ongoing

22/2013	N Scutt to add the oversight matrix to the forum.	CLOSED
23/2013	C Thomas to review TEG mailing list to make sure it is up to date.	CLOSED
24/2013	J Biddulph to collate suggestions for the Board and will issue to T Blacklay.	Ongoing
25/2013	J Cook to update NANDTB-18 and upload to website.	CLOSED
26/2013	J Biddulph to create a uniformed certificate for OAs to use detailing Primes exam specifications as required by Nadcap. Proposed certificate to be issued to the Board and approved via email if possible.	CLOSED Discussed under agenda item 5a.

- c. Other matters arising (not covered by the agenda)

No matters raised.

4. Membership (current list)

a. To note status and confirm contact details -

CDurrant advised that Board that Messier Services (the sister company of Messier-Bugatti-Dowty, MBD hereafter) now hold the Part 145 approval under SAFRAN, therefore making MBD's membership on the Board redundant.

CThomas declared his position on the Board now that representation for MBD was no longer necessary. CThomas would continue as a Responsible Level 3 for MBD and would be a co-opted member on the UK NANDTB, representing the TEG as their primary nomination, making DGriffin the alternate member.

b. MOD membership

KPhillips reiterated that the MOD had approached the Board for full, voting membership status. JBiddulph responded by issuing a letter to Commander Whitfield at the MOD - which was presented to the Board - explaining the requirements of the Board.

In response to the letter, the MOD nominated their Responsible Level 3 who is employed by South West School of NDT and the nomination was discussed at meeting 42 in April 2013. The UK NANDTB decided to reject the nomination due to a conflict of interest.

[Action 27/2013 - KPhillips to formalise a response to Jez Duguard/Toby Jefferson at the MOD advising of the rejected nomination and requesting a new, suitable nomination.](#)

5. Documents for discussion and/or approval -

a. See table of documents NANDTB_01

A revised version of UK NANDTB Advisory 1 (AD001) was presented with amendments made by JBiddulph. The Board reviewed the document and agreed to carry the approval over to the next meeting in September.

As per action 26/2013 a new Advisory 7 (AD007) for the '**Specification, Standards and/or Procedures to be Referenced on training and Examination Certificates Issued by BINDT Approved Outside Agencies**' was distributed to the Board via email before the meeting. The document was approved at the meeting.

It was noted that document NANDTB_17 would be due for update in September 2013. **[Action 28/2013 - RBright/SAlgar to review NANDTB_17](#)**

The NANDTB_18 document was awaiting the EN 4179 update before a review could be carried out. Ongoing action **[06/2013](#)**

6. Overseas Affiliations - Working Group update - Presentation - (KP)

Mr Phillips advised the Board that the working group met at the BINDT offices on 8th May 2013.

In attendance to the working group meeting was; A Williams, B Scott (telephone), C Thomas (telephone/part-time), J Biddulph, K Phillips, S Algar, N Scutt, J Cook.

There were three options considered at the meeting;

1. The UK NANDTB changes policy and no longer supports Overseas Affiliation

The pro's of option 1 were listed;

- i. Protects UK NANDTB (reduces scrutiny/risk)
- ii. Reduces load/support
- iii. Maintains focus on UK training & examinations only
- iv. UK NANDTB's reputation
- v. Consider continue to support existing overseas affiliations but allow no new affiliations

The con's of option 1 were listed;

- i. Will probably cause overseas organisations a problem in complying with AMC 145.A.30 (f)
- ii. Will impact UK training/examinations organisations commercially
- iii. UK NANDTB's reputation
- iv. Consider continue to support existing overseas affiliations but allow no new affiliations

2. The UK NANDTB continues to support Overseas Affiliation, but changes constitution/membership in favour of the beneficiaries

The pro's & con's of option 2 were listed;

- i. Don't consider EN4179 definition permit this, i.e. chartered by participating prime contractors.

3. The UK NANDTB continues along current strategy with changes proposed;

- NANDTB_12 - No change
- NANDTB_21:
 - Include form which needs to be completed by applicant organisations
 - Submit written practice, amended to specify that NDT personnel training and examinations shall be under the control of the UK NANDTB via use of a BINDT approved organisation
 - Add requirement that affiliating organisation must declare OA to be used and must notify UK NANDTB if they intend to change OA
 - Revise clause 2.2 and remove 'any country's competent / national authority'. Rescind approvals given to national authorities, request applications from organisations
 - Create new NANDTB document – Role and Responsibilities of OA's or IA's operating under control of the UK NANDTB (Require above organisations to sign an agreement relating to the above)
 - Create matrix of affiliated organisations and training/examination organisations used
 - Use above data and include as part of the BINDT audit and approval process
 - No longer allow use of UK NANDTB logo on certificates or only allow use of logo on certificates issued to overseas affiliated organisations

The pro's of option 3 were listed;

- i. Help overseas organisations comply with AMC 145.A.30 (f)
- ii. Helps EASA
- iii. Tightens control, mitigates risk
- iv. Commercially beneficial to the training/examinations organisations
- v. Maintains status quo
- vi. Promotes UK practice overseas
- vii. UK NANDTB's reputation

The con's of option 3 were listed;

- i. UK NANDTB controlling training/examinations beyond UK
- ii. Protections of UK NANDTB
- iii. Increased scrutiny/risk
- iv. UK NANDTB's reputation
- v. Increased load on BINDT

CSinclair on behalf of BINDT showed concern about impartiality not being included as part of the presentation but did feel that increased scrutiny was an advantage.

It was mentioned that EASA and other Boards recommend that overseas organisations (**OS hereafter**.) affiliate with the UK NANDTB it was added that these OS prefer affiliation with the UK Board because training and examinations are in English. It was added that at a recent EU NANDTB forum all Boards were asked if they accepted OS affiliations, all Boards stated that they did not accept affiliations.

A suggestion was made regarding the setup of an International Board to handle overseas matters.

The Board felt that EASA pressure them to fill the gap for OS member states who do not have their own NANDTB and the Primes felt that it was unjustified for them to have to include OS affiliations within their internal quality systems for NADCAP audits. It was argued that OS affiliations are 145 organisations therefore, not a NADCAP issue.

The CAA recommended that a guidance document and compliance checklist for CAA overseas surveyors, written by the UK NANDTB could mitigate risk but the Board felt that this would make them legally liable. CSinclair advised that BINDT would be the liable party because they are the legal entity and UK NANDTB are a governing board. The Board disagreed and stated that the Prime organisations' would also be liable because they nominate employees - who make the decisions - to be on the Board.

The Board discussed the options on OS affiliations and showed preference to adopt the option of not accepting any future affiliations however, to continue to support the current affiliations.

TBlacklay reconfirmed to the UK NANDTB that EASA has it written in their requirements that overseas aerospace organisations must have affiliation with a NANDT Board. If the UK do not accept overseas affiliations then the organisations would subsequently go back to EASA making it their onus. The Board felt that the onus should be on EASA not the UK NANDTB, as a result the Board chose Option 1 of the presentation which would result in no overseas affiliations at all.

TBlacklay added that the CAA have been given the responsibility of reviewing and re-writing Part 145. As part of the review, the refusal of accepting overseas affiliations by the UK NANDTB would be presented to EASA who may see the requirement of National Aerospace NDT Boards as redundant. It was noted that the draft Part 145 should be out for comment by January 2014

CSinclair on behalf of BINDT stated that this was a very partial decision which could compromise BINDT's relationship with the UK NANDTB.

There was some confusion from the Board members who thought that overseas affiliates were included in the audit process. It was clarified by NScutt that affiliations and outside/internal agencies were separate.

The UK NANDTB members suggested a new proposal identified as Option 1 part A;

- **Option 1a. UK NANDTB changes policy in the following way:**

Will not accept any future requests for overseas affiliations, pending review, but will continue to support the existing company affiliates, not nations.

No longer allow use of UK NANDTB logo on certificates or only allow use of logo on certificates issued to overseas affiliated organisations

This option was proposed by BScott, seconded by KGriffiths. 7x votes in favour with 1x vote opposing. The proposal was passed and the working group for action 13/2013 agreed to review the NANDTB_21 document taking into account some of the changes proposed under option 3. BScott recommended that there be a new lead for the working group due to his not being able to commit to travelling to meetings and not having the facility to fully access the Powwownow web document viewer. KPhillips took the lead on this working group.

It was recommended that the Board provide EASA (FAO: Trevor Woods, Standardisation Director) with a letter explaining the UK NANDTB definite changes in order for EASA to formalise a response to nations.

Action 13/2013, Working group for OS affiliations to arrange meeting to review NANDTB_21, to include CDurrant in the Working group meeting in place of CThomas due to change of membership status.

Action 29/2013, KPhillips to draft letter to EASA informing them of the Board's decision to no longer accept future, overseas affiliations.

7. **BINDT Audit and Approval of Training and Examination Organisations - Update/Presentation - (CS)**

CSinclair reported to the Board members that he had met with JBiddulph and Tony Dunhill (Rolls-Royce/current BINDT President) to discuss the UK NANDTB's requirements for the audit and approval processes for training and examination organisations.

He explained that the requirements of UK NANDTB were presented to BINDT and the CMC. CMC raised an action for CSinclair and NScutt to review the points raised within the presentation in the form of a gap analysis to show the requested changes, changes that have already been addressed, implemented and to report on a suggested outcome.

One of the concerns raised by the UK NANDTB was that auditors used by BINDT were not NDT Level 3 certificate holders therefore, were not qualified to review examination questions at audits.

It was explained that the UK NANDTB had concerns that auditors without Level 3 qualifications would not recognise Level 2 questions when carrying out an audit. It was noted that if an auditor did hold Level 3 qualifications, it should not be assumed that the auditor has the knowledge and experience of determining the relevance of examination questions.

BINDT were attempting to meet this request with a 'pool' of Level 3 assessors, which UK NANDTB were invited to review and interview to confirm the assessor met UK NANDTBs standards.

CSinclair continued to explain that PCN is a central certification scheme therefore, is a suitable qualification but not sufficient for some EN 4179 companies and reiterated that most organisations employing PCN certified personnel will provide training to employees on top of their certification in order to be competent and experienced at their specific job.

NScutt clarified that auditors are not required to hold Level 3 certification, but they must and do; hold ISO 9001 Lead auditor certification, have sufficient auditing and NDT experience, and they are witnessed on a number of audits before conducting any alone.

It was noted that if PCN questions are reviewed and ratified by UK NANDTB members then questions and PCN certification should be valid.

It was recommended that a member of UK NANDTB and someone with PCN experience sit on the CMC/GTC (technical sub-committee of CMC) and the Accreditation Panel/MQ&E therefore, to provide a contribution and have an oversight on PCN examination and training.

Action 30/2013, CSinclair to come back to the board with a proposal to present to the board.

8. **Aerospace question review update - (N Scutt)**

It was advised by NScutt that Aerospace specific, Magnetic Particle and Liquid Penetrant Testing levels 2 and 3 questions were reviewed and some questions were eliminated; some were suitably reallocated and/or amended.

It was advised that areas of the syllabus would be highlighted, that require examinations questions and questions would be written by Karen Reader and Peter Stephens, it was noted that other parties have shown interest in writing questions.

9. **Qualifying Agencies**

a. **Oversight Matrix - Update**

It was noted that there were still a number of members not volunteering to witness Aerospace audits. The Board mentioned that due to time and costs incurred it was difficult for members to attend audits.

TBlacklay suggested that a letter be written to Primes' employers to request attendance at audits and asked if the CAA could possibly observe. KPhillips confirmed, from the Boards perspective there was no issue with the CAA observing these audits.

Action 31/2013, ALL UK NANDTB members, who have not already done so, to review the oversight matrix and confirm an audit of their choice with JCook.

It was suggested that auditors be audited rather than the auditee.

b. **New applications**

i. **Discussion about audit reports posted on website**

It was noted that there have been 3 audits awaiting approval since March/April 2013.

One of the organisations was not able to start operating because a decision was still pending on their initial audit report, due to them being an overseas company. The other two organisations were at risk of not operating because their certificates were due to expire.

ISA – the Board reiterated JBiddulphs suggestion, of the reassessment audit be approved based on the recommendation that the organisation receives a follow-up audit within 3 months to ensure that all corrective actions were implemented and effective. NScutt suggested 6 months so that there was something substantial for the auditor to check.

The Board agreed that ISA should receive a full, follow-up audit by the next UK NANDTB meeting in September.

SETSCO – a repeat discussion took place regarding OS organisations. It was noted that the audit had already been conducted and the organisation had paid a substantial amount to gain approval. It was added that the Board should have advised BINDT not to proceed with the audit if they were unsure of their decision to have OS organisations under the UK NANDTBs jurisdiction.

KPhillips asked Board members if they would want to control an outside agency outside of the Boards jurisdiction, and asked whether it would be worth accepting them based on the Boards earlier decision to no longer accept OS affiliations and to no longer allow use of UK NANDTB logo on certificates or only allow use of logo on certificates issued to overseas affiliated organisations. As SETSCO are overseas and not affiliated this would mean that they would not have the authority to use the UK NANDTB logo.

It was advised that there was a Part 145 organisation in the pipeline to use SETSCO.

The Board agreed that SETSCO were so far through the approval process, they should be given approval for 1 year with a view that this be reviewed at their next audit.

The requested that HEACO and TAPME (OS organisations) applications for outside/internal agency be put on hold until the 13/2013 working group review NANDTB_21. It was mentioned that TAPME were applying as an internal agency, therefore, would not have any effect on external personnel.

KPhillips proposed to put all overseas applications for outside/internal agency approval on hold pending review. BScott seconded. All were in favour.

CSinclair stated that the Board's decision to put all overseas applications on hold would be putting BINDT in a very difficult situation due to impartiality. BINDT exist to assist but may not be able to continue if overseas organisations are not permitted.

10. TEG Report - (DG)

There were no updates from the last TEG meeting. It was noted that the next TEG meeting 4th July 2013 would not be a normal meeting but a demo of the online examinations.

11. ANDTBF including NAS410/EN4179 Update - (KP)

KPhillips advised that the last meeting saw France wanting to keep the reference to NANDTB within the circulated document.

The proposal at the ANDTBF was that the reference to NANDTB is only made within (paragraph 4.4.2 NAS410 rev 4 / EN4179 edition 5 (March 2013)) all other references to the NANDTB, were deleted excluding the definition in 3.19.

The vote was 9 in favour of the proposal with 1 against and 1 abstention.

12. Regulators update - (TB)

TBlacklay reiterated that he would be revising/changing Part 145 and requested comments from all members of the UK NANDTB either directly or through JBiddulph/KPhillips.

Action 32/2013, ALL members - comments to TBlacklay for changes to Part 145.

It was noted that the reference in the NAS 410/EN 4179 update 'Definition of the Board' should be reworded on what a board does, currently the reference is based on the French version.

13. Pt. 145 Orgs, QAs and SIG members Update - (GMc)

Questions raised for the Boards response were presented.

A company requested clarification on the use of marking guides and whether they should be used when marking procedures. The Board confirmed that Part 145 organisations must mark against a marking guide and use marking checklist. It was noted that the latest version of EN 4179 will show that candidates will have to write a procedure on the day.

Question 2 requested confirmation if, for automated ultrasonic immersion systems is it acceptable to use a dynamic test piece for the exam. The Board clarified that dynamic test pieces cannot be used.

TATA Steel, currently an internal agency, contacted JBiddulph due to their recent audit where they were advised that to perform 'initial' training/certification they would need to apply to become an Approved training organisation (ATO).

JBiddulph responded to TATA Steel and advising that the UK NANDTB revised NANDTB_12 such that organisations performing initial NDT personnel training must be BINDT ATO approved. The change was proposed by TEG in order to accommodate both training organisations and self employed trainers whilst maintaining a level playing field across the board.

JBiddulph recommended that the 2 points be raised for consideration with the UK NANDTB; Firstly, that TATA Steel be allowed a 12 month transition period since the rules have been changed since the initial internal agency approval. Secondly, are the internal agency and ATO approvals required separate, or does the internal agency audit and approval include the additional ATO audit criteria.

The UK NANDTB reviewed this response and agreed to allow TATA Steel a 12 month transition period. In order to continue conducting initial training/examinations they must apply within 12 months from the date of the meeting for ATO approval. It was clarified that the ATO and internal agency approval process are separate.

14. Any other business

CSinclair advised that he would like to attend the next meeting, 4th September 2013. The Board members had no objections to CSinclair's presence to the UK NANDTB meetings.

It was noted that the next meeting was to be held at the Caparo facility in Reigate but all members felt that the facility would not be big enough to host the meetings. TBlacklay advised that the CAA may have a meeting room available and would confirm post meeting, otherwise it would be held at the BINDT offices in Northampton.

15. Date and location of the next meeting - 3rd - 4th September 2013, Caparo in Reigate

4 - 3-4th September 2013 - Caparo, Reigate

5 - 15-16th October 2013 - Bombarider, Belfast

6 - 4th December 2013 - BINDT, Northampton

Annex A – attendance and apologies for absence at the 26th June 2013 NANDTB meeting

Name	Representing	In attendance	Apologies for absence
Alun Williams	(Airbus UK)	1	
Bobby Scott	(Bombardier)	1	
Cameron Sinclair	(BINDT)	1	
Carl Sheppard	(British Airways)		1
Chris Dootson	(BAE Systems)	1	
Chris Durrant	(Messier-Bugatti-Dowty)	1	
Clive Worrall	(British Airways)	1	
Colin Thomas	(Messier-Bugatti-Dowty)	1	
Dave Griffin	(Training & Examination Group)		1
Graham Mcleod	(Honeywell)	1	
Graham McCully	(Pt. 145 Orgs, QAs and SIG members)		1
Jon Biddulph (Chairman)	(Rolls Royce)		1
Keith Griffiths	(Rolls Royce)	1	
Keith Phillips	(Airbus UK)	1	
Jennifer Cook (Secretary)	(BINDT)	1	
Nicole Scutt	(BINDT)	1	
Paul Marshall	(MAA)		1
Phil Berkley	(Agusta Westland)		1
Rob Bright	(Flybe)	1	
Ted Blacklay	(Civil Aviation Authority)	1	
Stuart Algar	(Civil Aviation Authority)	1	
	Totals	15	6

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21/2013	N Scutt to arrange a date for the review of ET questions	Ongoing
24/2013	J Biddulph to collate suggestions for the Board and will issue to T Blacklay.	Ongoing
27/2013	KPhillips to formalise a response to Jez Duguard/Toby Jefferson at the MOD advising of the rejected nomination and requesting a new, suitable nomination.	
28/2013	RBright/SAlgar to review NANDTB_17 by the next meeting	
29/2013	KPhillips to draft letter to EASA informing them of the Board's decision to no longer accept future, overseas affiliations. (relates to 13/2013)	
30/2013	CSinclair to come back to the board with a proposal to present to the board.	
31/2013	ALL UK NANDTB members, who have not already done so, to review the oversight matrix and confirm an audit of their choice with JCook.	
32/2013	ALL members - comments to TBlacklay for changes to Part 145.	