

UK National Aerospace **NDT** Board

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22-02 MINUTES OF UK NATIONAL AEROSPACE NDT BOARD

Meeting Date: Monday 28th February 2022
Time: 2.30pm
Location: ONLINE

Minutes

NANDTB/2022/M1

1. Confirmation of the agenda (and any other business)

Nothing to be added.

2. Attendance & apologies for absence (Annex A)

Apologies from Simon Wright, Clive Worrall and Alun Williams.

3. Notes of the 71st meeting (distributed earlier)

a. Confirmation

The minutes were amended and will be uploaded to the website as confirmed minutes.

Action 01/2022 – TG to upload minutes from 70th meeting

b. Confirmation of 2022 meeting schedule

Proposal as agreed in principle at last meeting:

February Monday 28th – 2pm till 3:30 (online)

April Monday 4th – 2 - 4:30/5:00 – BAWA Centre Bristol before the Aerospace event – **alternative facilities will be available – AP to attend on behalf of BINDT**

June Tuesday 7th 2–3:30 (online)

July Tuesday 26th 2–3:30 (online)

September 5th Sept – 10 – 4 – **alternative facilities will be available for those not attending**

October Tuesday 18th – 2-3:30 (online) (25th is half term)

December Tuesday 6th – 2-3:30 (online)

4. Membership

a. Review NANDTB_06

The above was not reviewed as it was reviewed at the last meeting.

David Penney was welcomed to replace Phil Ford from NADCAP. David will now provide NADCAP representation and support to the Board with regard to the NDT task group.

It was noted that JD takes over from GL in March as the Primary.

TG confirmed that the Board are still waiting for a letter from BA confirming their alternate vote, however it was thought that this is likely to be Carl Sheppard. Clive Worrall will confirm matters.

5. UK NANDTB Document Review

Document review – priority list

NANDTB_05 – current redate 16/11/2021

NANDTB_09 – to be dealt with at the next meeting GMcC and MC to review

NANDTB_10 – AP/PJB

NANDTB_12 – AP has started working on it

NANDTB_17 – there were a few changes – redate – TG to upload new version

NANDTB_18 – to be dealt with at the next meeting – TB also be included in review

a. Documents to be reviewed and allocated

From last meeting:

NANDTB_01 – review group to be GL/KP/MC/PW - **ongoing**

NANDTB_02 – John B/Simon W - **ongoing**

NANDTB_03 – Peter W/Kevin P - **ongoing**

NANDTB_04 – Alan W/Ralph D – **no updates required – email KP to confirm was ok and no changes needed**

NANDTB_16 – Michelle C/Simon W - **ongoing**

NANDTB_19 – **discussed at a WG meeting and after debates it will be left as it was as a new document has been created - done**

NANDTB_22 – Clive W/Peter W – new doc was approved and ready for upload – **Action 02/2022 – TG to upload new document**

NANDTB_23 – Simon W/Phil B - **ongoing**

NANDTB_25 – Jes D/Patrick B – under review – tumbling E eyesight test

Directions to a new web page for the downloading of the Tumbling E chart were provided, the remainder of the document was reviewed and amended as necessary, draft document to be sent out to all Board members for comment and possible acceptance.

Concerns: Jes D contacted EM Inspection with regard to EM's asking for what was thought to be

unnecessary personal information. EM's James Bakewell indicated that where the Board thought the requirements to provided personal information was in excess, then they would be prepared to review the current document download/generation procedure for Tumbling E.

Jes D also indicated that a tick box approach would be preferred and that If asking for personal information then a disclosure statement needs to be put on EM Inspections website, after a discussion it was noted that there is an issue about GDPR. **Action 03/2022 – KP to write a letter regarding GDPR**

NANDTB_26 FAQ – **ongoing**

NANDTB_27 – Peter W/Gary R – **number of changes/document to be updated**

NANDTB_28 – start logging any points for discussion and needs to be amended as and when and make a routine part of agenda.

TW and DP are putting together a symposium for 4179 to put something together for the review team.

b. New documents

Remote NDE – current status and next steps NANDTB_29

A document has been created ready for issue, needs to be voted on. Feedback through January was received, some minor changes were made, and the documents circulated on 1 February 2022.

Document voted upon – no objections, document accepted - GL and PW to present at The BINDT Aerospace event April 2022.

An article from GL/PW will be drafted for inclusion within the June issue of NDT News.

Action 04/2022 – GL to send the Word Document to TG to arrange for upload

6. Qualification of XCT personnel Working group

It was confirmed that a working group should discuss objectives, terms of reference, seek volunteers/interested parties from main stakeholder groups (primes, training agencies, BINDT, CAA/MAA, equipment manufacturers)

A date for the first WG session should then be confirmed by KP

The WG should look at requirements confirming how persons are trained and approved for XCT inspection. It could be a document that will be added to over time. It should be a best practice guidance document for persons and organisations to reference.

GL stated there was a question submitted to the Board for consideration regarding possible approvals for Film / Non-Film CRT, and would an Approved Training Organisation / Outside Agency have to be subjected to an additional audit process / re-audit/re-approval to have CRT added to their scope of approval. The question was asked do the Board want to go to the level of sub-techniques for approval or are they happy to leave as film/film less.

AP stated that if there are big differences then the board would have to consider the introduction of sub-techniques, and additionally, who would be considered suitable to carry out the training, who

would supply and master appropriate specimens, authorise the training process or authorise equipment for use in just even starting to think about the process.

It was agreed that further discussion should take place in order to establish what a conversion course looks like.

It was intimated that by October NADCAP could possibly have put something together as a suitable framework for this although would the NANDTB run the risk of forming a discrepancy?

- Further discussion asked who the right group or person would be to approach, (RR James Wilcox?). and within EN4179 should CT be classified as a technique in its own right – answer yes.
- Do you require a digital RT approval before you can be considered a suitable candidate for CT – answer yes.
- Could Training be provided at an equipment manufacturer or at a 3rd party premises and not the ATO/OA premises who may have no facilities?
- Should the approval to carry out training and examinations be on the scope of approval, currently there are no criteria or set of auditors capable of carrying out the required audit tasks. This should be a consideration.

MC stated that it is being raised as an issue through their customer base, and that they are currently developing a syllabus and training package in preparation for future use as they are aware of more than one client who intend to move forward with CT. Theory training could be provided through an OA working in conjunction with an OEM to provide a base for candidates moving forward. This could be seen to be a logical approach which would allow for additional requirements to be flowed down from NADCAP or Primes. ST is straight forward; however, it is the practical aspect that needs to be discussed. At the moment there is insufficient data not enough data for AM components and their associated flaws.

Discussion taking place regarding the above.

Next steps – separate meeting just about this. Face to face meeting in a room much easier for people to understand.

Thursday afternoon after Aerospace event – an hour for people to discuss Thursday 7th April. Invite only.

Separate issue before the Aero event but meeting needs to take place prior to this.

Put an hour in the diary for discussion and put together aims and objectives.

7. Qualifying Agencies

a. Auditor Oversight (AP)

Nothing to report – do on an annual or 6 monthly basis.

No issues with Karen Reader leaving. There is still AP and Andy Kular auditing.

8. Tumbling E

- a. Review of process on BINDT website
Discussed above

9. Standard Review

a. prEN4179 – update on release of EN doc

Released November 2021 – AP has started looking at NANDTB_12 in readiness. If there is a gap analysis for versions please send to AP, PW has a gap analysis and will send on to AP.

NANDTB_12 and checklist need reviewing after the gap analysis is though and document will need to be reviewed.

b. NANDTB_28 resurrection & Harmonisation

Happy with it staying as a permanent agenda item under standards review.

Suggest to harmonisation committee change the way DRT is reviewed – look at the Excel document. Propose a change of use of the word common to established.

Looking for reviews/comments for next version of 4179.

10. ANDTBF (KP)

- a. Update from the Forum – no update
- b. Recognition of UK Board by EASA - ANDTBF_02 – extra column stating recognised by EASA
- c. Next meeting – June 13th/14th

11. Part 145 Orgs and SIG's – input

GMCC had left the meeting early. However SA confirmed that he does not believe EASA are still waiting to be updated – the NDT User guide though has still not been published.

12. NADCAP Update

- a. Update from NADCAP community to ensure alignment

Feb meeting – VAAs audits are going to be rolled out normal NADCAP audit via a webcam. Tested in USA on a volunteer company.

Extra section at end of AC7114 – baseline criteria all will have to apply to. This has come from the Primes which got voted on at the NDT Task Group and was confirmed by NADCAP's Management Council as a solution to the issues that have happened over the last few years.

Competent authorities to give the okay to use the new version – feedback to Forum.

13. Regulators Update

Nothing from MAA. CAA not present.

14. OAI/A Group (MC)

Nothing to advise – MC reelected as Co-Chair.

Hopefully face to face as and when - TG advised that a meeting will take place regarding and then once the policy has been updated they will be informed.

15. Funding for the PRI AC7114/11 audit of the UK NANDTB (KP)

- a. Next Audit due Jan/Feb 2022! – UPDATE

Issues with COVID, try and get shifted to virtual audit.

30/5/2022 – two people to attend the office – agreement for this to take place from BINDT CEO.

- b. Funding/subscription – next period of membership funding to cover audit costs

16. Nominations

Vice Chair nominations for post commencing March 2022.

Anybody considering VC

17. Any Other Business

DRAFT

Annex A – attendance and apologies for absence at the 28th February 2022 (72nd Meeting)

Name (member unless stated otherwise)	Initials	Representing	In attendance	Apologies for absence
Alan Parsons	AP	BINDT	✓	
Alun Williams	AW	Airbus UK		✓
Tony Warren	TW	Aurbus UK	✓	
Chris Durrant	CD	Safran Landing Systems Ltd	✓	
Clive Worrall	CW	British Airways		✓
David Penney (Observer)	DP	PRI		
Gary Reay	GR	Leonardo Helicopters	✓	
Graham McCully (Co-opted)	GMcC	Pt. 145 Orgs and SIG members	✓	
Graham Mcleod	GM	Honeywell		
Guy Lawton (Vice Chair)	GL	MoD	✓	
Jes Dugard	JD	MoD	✓	
John Brand	JB	Safran Landing Systems Ltd	✓	
Peter Wood	PW	Rolls Royce	✓	
Andy Worrall	AWo	Rolls Royce	✓	
Kevin Pickup (Chair)	KP	BAE Systems	✓	
Michelle Clapham (Co-opted)	MC	Co Chair – OA/IA Group	✓	
Patrick Boulton (Voting member)	PJB	BINDT	✓	
Phil Byram	PB	BAE Systems	✓	
Phil Ford (Observer)	PF	PRI		
Ralph Duff	RD	Spirit Aerostructures	✓	
(Robert) Neal Cuddy (Observer)	NC	CAA		
Ted Blackley (Observer)	TB	CAA		
Ben Foreshaw (Observer)	BF	CAA		
Simon Wright	SW	Co Chair – OA/IA Group		✓
Steven Arrowsmith (Observer)	SA	MAA	✓	
Tracy Grant (Secretary)	TG	BINDT	✓	
		Totals		