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**UNCONFIRMED NOTES OF THE 56<sup>th</sup> MEETING OF THE UK NATIONAL AEROSPACE NDT BOARD**

Meeting Date: Tuesday 13<sup>th</sup> September 2016, 10:00

Location: Suite 4, NDT 2016 55<sup>th</sup> Annual Conference, Nottingham

NANDTB/2016/M3

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

Nothing was to be added to AOB.

**2. Attendance & apologies for absence (Annex A)**

Refer to attached.

**3. Notes of the 54<sup>th</sup> meeting (distributed earlier)**

**a. Confirmation**

The minutes were approved with one slight amendment to be made and then they will be uploaded.

**b. Review of allocated actions below with special mention to the following;**

Ref	Actions brought forward	Remarks
60/2015	DG to take NANDTB_12 back to the OA/IA group to capture the requirements	Agenda item
67/2015	TB, JB, CS, MC, JT and CT to provisionally draft GR23	Ongoing
68/2015	TB will try and organise an agenda for this for the meeting to be held at CAA	Ongoing
02/2016	OA/IA will look in to the ATO requirement and depending on what this is, revise NANDTB_12	Agenda item
03/2016	Working Group to consider alternative methods of experience/competence	Ongoing – draft document to be shown at next meeting in September
04/2016	TB will review to the document to make sure that the scope was acceptable.	OAQS6 - Ongoing
07/2016	GMcC to review the NANDTB_14 PP	Closed
08/2016	GMcC to review the NANDTB_19 PP	Closed – <b>new action 19/2016 – PB to see if NANDTB_14 and NANDTB_19 Power Points are still needed</b>
09/2016	JD and GMcC to review the NANDTB_23 PP	Closed – <b>Action 20/2016 – TG to withdraw NANDTB_23</b>
12/2016	NLS will also check to see whether Karen Reader needs to be witnessed this year and if so will email the Board out	Closed

14/2016	TB asked NLS if she could get together some demographics for PCN L3s with the ages. NLS did state that this was currently in the process of being done so would add this to the list	Ongoing – NLS stated that BINDT are still in the process of having changes made to the database and these are being finalised W/C 19/09 – further update next meeting
15/2016	NLS to speak to David Gilbert about looking at the NANDTB microsite	Ongoing – NLS to chat with DG about this next year
16/2016	TG to confirm to Tara Ashton that JB will witness AP at NDT Consultants	Closed
17/2016	TG to confirm to Tara Ashton that SW will witness AP at SWS	Closed
18/2016	JB to go back to ASD Stan regarding the outcome of vote re fprEN4179 2016	Agenda item

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

**4. Membership (current list)** No other matters arising.

- a. To note status and confirm contact details

NANDTB\_06 was tabled and amended in real time.

**5. Documents for discussion and/or approval**

- a. NANDTB\_12 had been amended OA/IA meeting and needed NANDTB approval. The document was approved by NANDTB.

**6. Qualifying Agencies**

**a. Oversight Matrix**

After looking at the matrix it was noted that KR has been witnessed and AP will be being witnessed. CH will obviously need to be witnessed when he has been signed off.

It was also noted that a new audit review team needed to be selected. The new review team consists of Bobby Scott, Graham McCleod, Kevin Pickup and Alun Williams, this group will remain the same for 12 months and then will be changed at the September 2017 meeting.

**Action 21/2016 – TG to ask TA to add KP to the matrix for 2017**

**b. Satellite Training Centres**

DG confirmed that he reported at the OA/IA previously about the use of the logo.

**7. prEN4179:2014**

- a. DG asked if AW could explain about the email sent from Airbus France regarding EN4179 stating that this is now out. AW didn't know anything about this although he did explain that some departments have been getting findings apparently about which version of EN179 they are using.

JB stated that at the moment EN4179 has been transferred from ASD Stan to Cen who then carry out the formal ballot and in doing this FprEN4179 has been created in 2016. It has been on ballot and has been voted through. BS asked if the title was going to be EN4179:2016 if out before December and JB confirmed it would be.

JB also confirmed that ASD have allowed there to be a separate NDT WG, so when NDT statements are sent in, they will go to this group. JB did state with regards to the standards he was conscious that BINDT have a Standards WG. PJB did state that it depends on what Andy Bakewell considers to be drivers. JB stated that perhaps a person from the NDT WG perhaps sits on the Standards WG.

AW asked if France/Germany were now working to prEN4179:2014? JB stated that the UK implemented it earlier but other countries who were members of the ANDTBF were to implement this by the end of 2015, however some countries have not yet started this. EASA had stated that companies should be working to prEN4179:2014 if companies were working to the 2009 version then would be getting NCRs.

JB suggested that the Excel document that TG has called Record of Identified Changes to prEN4179:2014 should be put in to NANDTB document form, be given a number and be put on the website.

**Action 22/2016 – TG to put the Excel spreadsheet in to a Word document and give it a NANDTB number and issue on website**

## **8. ANDTBF (JB)**

Since the last NANDTB meeting there has not been an ANDTBF meeting, the next one is to be held in Poland on 16 November 2016 in Warsaw, Poland.

JB also stated that EASA's representative has emailed out to the ANDTBF suggesting that the constitution be changed as JB has done two terms as Chair however, this will be discussed at the next meeting.

EASA recognise that an accreditation body is critical to the standing of Aerospace Boards and JB has proposed that there is a body who will audit Aerospace Boards. If there is a country without an Aerospace Board then the body will then go and audit the OA or the IA to make it a more level playing field.

## **9. Pt. 145 Orgs and SIG members Update – (GMCC)**

## **10. Regulators Update – (TB)**

## **11. OA/IA Group**

DG reported from the latest OA/IA meeting.

- a. DG mentioned that the OA/IA group did not get a vote as decided by the NANDTB Board;
- b. Colin Thomas has resigned from the OA/IA group due to ill health, a vote will take place for the Chair/Vice Chair;
- c. There were discussions regarding Brexit and how it would affect the NANDTB and asked if NANDTB could keep the OA/IA informed of any changes and what may or may not happen with EASA. JB stated that the UK will still be in the EU until 2 years after Article 50 has been published.
- d. There was a question asked during the meeting about someone who was moving from

CRT to DRT and what the examination should consist of. DG confirmed that it was suggested that there wouldn't be a general but there would be a specific and a practical and there should be at least 1 sample. Simon Wright then sent an email stating that a particular company had asked for 10 general questions, 10 specific questions and a practical which is not what normally happens and Simon Wright wanted clarification.

JB stated that the standard defines what the additional training and experience requirements are and normally an examination to test the competency is done, but this is down to the RL3.

- e. There was also another question regarding a helicopter company using red dye penetrant. In Pt 145 A30 paragraph F1 and B3 it states that authorised inspectors, who are not NDT trained are carrying out spot checks on helicopter parts. PB stated that there was a discussion regarding B1 and B2 licensed engineers and it was written in the maintenance manual that they can use the red dye procedure instead of doing an eddy current procedure. There was some debate over whether this should be allowed and if any guidance could be given about the removal of the procedure itself.

DG stated that it was brought up as Simon Wright was concerned that if this was the case then first of all are these people allowed to do it and that colour contrast penetrant was being done.

DG asked if somebody from the NANDTB could get together with TB, GMcC and Simon Wright to discuss this.

**Action 23/2016 – JB will speak to GMcC about the question raised and then if this is a safety issue then will speak to TB at CAA**

- f. JB stated that he had a letter from EASA to all the Pt. 145 orgs located in Australia and New Zealand, he read the letter out during the meeting, however will send a copy to TG to circulate with the minutes.

**Action 24/2016 – JB to provide the EASA letter to TG so she can circulate with the minutes**

## 12. AOB

- a. Karen Reader sent an email regarding an Outside Agency receiving an ongoing NCR. Outside Agency with a recurring non-conformance, the Board is adamant that raising a second finding is fully valid and the corrective action taken previously is non-sustaining. In Nadcap parlance, a minor finding would automatically become a major finding. General opinion of the Board is that any non-conformance should be rectified immediately, where the action required to rectify is likely to take a period of time, there should be an agreed plan of completion. Ongoing acceptance of a non-conforming situation is unacceptable and could have consequences regarding the validity of personnel certification and ultimately hardware processed by individuals affected.
- b. RL3 independent qualification - regarding a RL3's 'independent' qualification where the person has been promoted within an organisation, the position of the Board is clear in that a level 3 who may have been examined internally is promoted to the position of RL3, that level 3 must obtain an independent and external qualification. If the individual does

hold an independent and external qualification such as PCN or ASNT, then the specific and practical examination must be administered by an independent and external approved, i.e. BINDT organisation. NANDTB\_23 refers.

- c. Ultrasonic thickness measurement – the Board agreed that ultrasonic thickness gauging is considered a Measurement activity that utilises NDT technology and is not subject to the requirements of EN4179. As per NANDTB\_18, where thickness measurement is used to detect the effect of corrosion and incorporates A Scan, guidance is training and approval in the spirit of EN4179 and not the letter. Guidance on thickness measurement incorporating A Scan or direct readout only is to provide training and assess competency and formally document.
- d. Etch inspection - the guidance given by the UK NANDTB per NANDTB\_18 is training and approval in the spirit of EN4179 and not the letter. Only one or two OEM's appear to have specific requirements for etch inspection training and approval and that is for them to flow down where applicable. General consensus of the Board was that unless you were subject to specific flow down requirements, it is the responsibility of the employer to define what training and approval requirements are considered necessary for personnel to perform swab etching and to maintain competency.
- e. SW asked for Board guidance on questions. He confirmed that he is having problems with his Italian college and that in Italy the Italian Board stipulate that all specific examinations must be of a multi choice type with no balance for accept/reject or true/false type questions and SW was seeking clarification from the Board. JD stated that from a specific point of view you can have multi choice answers, however this is difficult to write, you also have to do this in a way to interpret what the specification says, apply this to the answers to show that it is a knowledge of understanding. SW stated that if it was an accept/reject answer that there would be some further information to justify this – the Board confirmed that it was.
- f. BS also brought up a point regarding in situ in service penetrant inspection for damage on assemblies, BS stated that Bombardier use L1 Limited for penetrant inspection. BS did state that they made some allowance for L2 Limited but only for EC and UT so there is no possible reduction for PT, the CAA state clearly that they expect a L2 to do the inspection part of this process. A discussion round the table took place regarding this and it was agreed that a final inspection on a component should be carried out by a L2.

### **13. Date and location of the next meeting**

57<sup>th</sup> Meeting – 6 December – Airbus, Broughton

**Annex A – attendance and apologies for absence at the 28 June 2016 NANDTB meeting no. 55**

Name	Representing	In attendance	Apologies for absence
Alun Williams (AW)	(Airbus UK)	1	
Bobby Scott/ Ralph Duff (BS/RD)	(Bombardier)	1	
Carl Sheppard (CS)	(British Airways)		1
Chris Durrant (CDu)	(Messier-Bugatti-Dowty)		1
Clive Worrall (CW)	(British Airways)		1
Colin Thomas (Co-opted) (CT)	(Training & Examination Group)		1
Dave Griffin (Co-opted) (DG)	(Training & Examination Group Deputy)	1	
Jes Dugard/Phil Byram (Observer) (JD/PB)	(MoD)	1 - 1	
Graham Mcleod (GMcl)	(Honeywell)	1	
Graham McCully (Co-opted) (GMcC)	(Pt. 145 Orgs, QAs and SIG members)		1
Jon Biddulph (Chair) (JB)	(Rolls Royce)	1	
Keith Griffiths (KG)	(Rolls Royce)	1	
Kevin Pickup (KP)	(BAE Systems)	1	
Mandy Cox (Observer) (MC)	MAA		1
Nicole Scutt (Co-opted) (NLS)	(BINDT)	1	
Patrick Boulton (PJB)	(BINDT)	1	
Rob Bright (RB)	(Flybe)		1
Stuart Wroot (SW)	(Agusta Westland)	1	
Ted Blacklay (Observer) (TB)	(Civil Aviation Authority)		1
Tracy Grant (Secretary) (TG)	(BINDT)	1	
	<b>Totals</b>	<b>13</b>	<b>8</b>

### Actions allocated and carried over from meeting 54<sup>th</sup> Meeting

Ref	Actions brought forward	Remarks
67/2015	TB, JB, CS, MC, JT and CT to provisionally draft GR23	Ongoing
68/2015	TB will try and organise an agenda for this for the meeting to be held at CAA	Ongoing
New Action 03/2016	Working Group to consider alternative methods of experience/competence	Ongoing – draft document to be shown at next meeting in September
04/2016	TB will review to the document to make sure that the scope was acceptable.	OAQS6 - Ongoing
14/2016	TB asked NLS if she could get together some demographics for PCN L3s with the ages. NLS did state that this was currently in the process of being done so would add this to the list	Ongoing
15/2016	NLS to speak to David Gilbert about looking at the NANDTB microsite	Ongoing
19/2016	PB to see if NANDTB_14 and NANDTB_19 Power Points are still needed	
20/2016	TG to withdraw NANDTB_23	Complete
21/2016	TG to ask TA to add KP to the matrix for 2017	Complete
22/2016	TG to put the Excel spreadsheet in to a Word document and give it a NANDTB number and issue on website	Complete <b>NANDTB 28</b>
23/2016	JB will speak to GMcC about the question raised and then if this is a safety issue then will speak to TB at CAA	
24/2016	JB to provide the EASA letter to TG so she can circulate with the minutes	Complete