

# UK National Aerospace **NDT** Board

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## THE 69<sup>th</sup> MEETING OF THE UK NATIONAL AEROSPACE NDT BOARD

Meeting Date: Tuesday 10 December 2019  
Time: 10.00am  
Location: SWS, Cardiff

### Minutes

NANDTB/2019/M4

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

Added to Agenda in real time.

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

Round table introduction for the benefit of Phil Ford.

Apologies from Neal Cuddy, Alan Parsons, Chris Durrant, Graham McLeod, Alun Williams.

#### 3. Notes of the 68<sup>th</sup> meeting (distributed earlier)

##### a. Confirmation

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

**Action 31/2019 – TG to upload minutes from 68<sup>th</sup> meeting**

##### b. Review of allocated actions

Ref	Actions brought forward	Remarks
27/2017	<b>AMENDED</b> WG to agree criteria to manage OA's consisting of MC, RB, JB, NC, NLB and PJB, with MC being the lead on this WG (NANDTB_12/OAQS11 checklist)	Update to be given in document review section – AP to deal with
24/2018	WG of MC/PB/GMcC and AW has been put together to review NANDTB_19	Update to be given in document review section
27/2018	OA/IA to create a dashboard to look at excessive number of NCRs/repeat NCRs and top NCR's for a specific year - to look at every meeting	<b>AP/PJB to report back and it needs to be decided how this is going to be reported back to the Board</b>
29/2018 (combined with 27/2018)	TG to circulate the document with the minutes for approval at the next meeting	<b>Nothing to circulate yet</b>

11/2019	JB will circulate NANDTB_10 draft	Waiting for NC to confirm recognition of PCN Aero then it will be sent to EASA
15/2019	WG to look at the document PJB, PB, AW, MC, KP and GMcC (NANDTB_19)	Covered under Agenda
16/2019	PJB will take back to the Standards Committee, Bashiba Berry is looking at this	BSI were looking at documents earlier in the year on additive manufacturing. These documents are in the last couple of day of the voting within the ASME community.  There is a Standards Advisory Committee end of January and PJB will bring this up there.
21/2019	KP to take equipment calibration to task group	ONGOING
22/2019	TG to upload minutes from 68 <sup>th</sup> meeting	CLOSED
23/2019	AP to send NC the final version of this document – PCN Aero	
24/2019	TG to upload new document – NANDTB_06	CLOSED
25/2019	WG consisting of to look at KP, AW, NC (CAA) NANDTB_02	
26/2019	TG to send the completed table to CS	CLOSED
27/2019	MC to send NC an email with the issues that SWS are experiencing	Forum update
28/2019	KP will email Helmuth Hoeller regarding SWS attending the next meeting	CLOSED
29/2019	KP to put a request through to Helmuth Hoeller for Phil Ford to become an observer of the Forum	CLOSED
30/2019	PJB to send out the contact information for if anybody wants their equipment tested	CLOSED

#### Other Matters

None

#### 4. Membership

##### a. Review NANDTB\_06

Clive Worrall to provide a nomination letter as expires in December.

It was noted that Alun Williams and Ralph Duff are due to expire in 2020

**Action 31/2019 – TG to upload new document**

JB was removed and was hoping to bring his replacement to the Board, however it hasn't worked out like that.

During an audit carried out by BINDT an issue was raised about the NANDTB's confidentiality around personal information that is looked at and that is circulated to the Audit Review Team.

AP and Alicia Carroll from BINDT have drafted a GDPR form that everybody at the meeting is to sign for AC to hold. For those not at the meeting, KP will send the GDPR forms for signature.

**Action 32/2019 – GDPR forms to be sent to those not at the meeting by KP**

## **5. UK NANDTB Document Review**

- a. **NANDTB\_02 – Action 33/2019 - TG to upload new version**
- b. **NANDTB\_03 – Action 34/2019 - TG to upload new version**
- c. **NANDTB\_04 – Action 35/2019 - TG to upload new version**
- d. **NANDTB\_12** – Following an audit report that was received by the Audit team, they had an issue with how a method L3 had been qualified. If you become the RL3 have you been external to be examined?

Discussion taking place regarding the above, the Level 3 in the case concerned, came up through the ranks, was internally examined by the RL3, it doesn't appear through the paperwork trail that he has then at first rectification as he has recertified by points to have gone independently. No external examinations appear to have been taken.

AW asked if the new RL3 should undergo exams at an independent OA as opposed to going through the points system.

SW stated that he had this when he renewed his qualification as his qualifications had been done at AIT originally and then they took over AIT which created a problem as initially he had been examined independently.

AW's issue is that the new RL3, however it looked like the initial L3s were overseen by the previous RL3, he did not appear to have taken any L3 exams at an independently approved OA.

Does there need to be a specific statement stating that if someone is internally promoted to RL3 status, does there need to be a specific statement that states that at the next requalification someone must go and be examined externally by exam. Discussion taking place regarding this.

If someone is promoted from within then an external qualification by points is not acceptable.

When an RL3 is appointed, they are re-qualified within the first 6 month period.

NANDTB\_12 does not need to be changed to reflect this.

- e. **NANDTB\_18** – delay to March 2020

- f. **NANDTB\_19**

A WG session took place the day before the meeting. As this document is currently being used, another new document will be created to cover new products and processes.

TG tabled the NANDTB\_29 with KP going through the changes.

**Action 36/2019 – PJB, GL and KP to completed scenarios to be added to the flowchart for the March meeting**

- g. **NANDTB\_23** – delay until 4179 is released

**6. Qualifying Agencies**

**a. Auditor Oversight, review matrix**

TG tabling the oversight matrix for 2020.

Andy Kular is currently carrying out audits. AK is currently doing his two overseeing audit. He has done his shadow audit, he has got one to do on his own and next year he will be overseen doing an internal and external audit.

Each auditor should be covered on an inside/outside. If Nadcap are in China and Xiamen is scheduled for January/February time is there anybody going to NADCAP that could oversee this audit? Nobody was going to NADCAP from the room.

26/27 February - IMECHE Karen Reader – KP will do this one

**Action 37/2019 – TG to speak to Tara Ashton about emailing the Board when Andy Kular has been scheduled to carry out his observation audit**

**7. Standard Review**

**a. prEN4179**

At the last meeting Chris Stevenson went through all the changes for 4179. All the comments were forwarded to WG15. WG15 is currently without a leader and if a UK OEM stepped up to be on that group, can someone from the Board sit on it?

ADS meeting was discussed and the need for this to be invigorated.

Andy Bakewell had an action in the minutes for ADS to raise awareness of the NDT Sig and highlighting its value to primes etc. KP is not sure whether this has been done.

KP stated that he would try and get a teleconference going on with then.

prEN4179 is expected to be released around January/February time. This will be a pr version, when it gets released fully the Board will need to release an advisory to the NDT community. The pr document will be released for 6 months so in September/October time EN4179 2020 will be published.

As soon as the pr document is live and advisory will be put on the website.

NADCAP will also release a new checklist.

**8. ANDTBF (JB)**

In November there was a Forum meeting at Safran in France. UK dialed in and Michelle Clapham was made very welcome.

The Forum has a new Chair Helmuth Hoeller. HH's message from the meeting was that if you have any complaints about anything, then you should turn up to the meeting. There is also a new rule that if you are not present at more than two consecutive meetings you will lose your member status and you will become an observer and you will have to reapply showing evidence of adherence to all the Forum document and seek Board approval to regain your member status and voting rights.

They have now implemented ANDTBF\_08 and voting rights have been removed from those Boards

who have not completed sufficient independent self-audits or have become accredited to AC7114-11. Carmen Chirita stated that all OAs should be approved under the same standards and there should be a common checklist.

Because of Singapore not adhering to document ANDTBF\_08, MC attended the meeting and gave a presentation explaining the history/reason. The majority of the people present would recognise approval status granted by the UK Board but the agencies will need to be on the approved list of the Aerospace Boards for countries in which they operate.

E.g. SWS who operate in Finland will need to submit a request to the Finnish Board to be on their approval list. Each agency will need to go through the countries in which they operate to get added to their approval lists.

Carmen also stated that she would like to see OAs approved to the same standard under approved Boards, UK would like to be involved, Switzerland, Portugal and either Norway or Denmark to work on the checklist. MC suggested that the checklist the UK use may be a good starting point. Phil Ford suggested that he would like to also be on this WG.

UK Board have 2 seats at the ANDTBF, there needs to be a plan of who can attend. The next meeting is at Russia. MC is happy to take the second seat until something is resolved for attendance. It needs to be a full member of the UK Board or an observer.

Take back to the OA/IAs about adding a levy fee to the audit fees in order that this money can fund the activities of the UK NANDTB.

**Action 38/2019 – MC to take back to the OA/IA about charging extra levy to fund activities of the Board**

#### **9. Part 145 Orgs and SIG's – Input (GMCC)**

GMCC stated there is nothing to report.

#### **10. Regulators Update – (NC)**

KP has received an email from NC.

Our NADCAP certificate should have a higher profile on our website, move Certificate.

**Action 39/2019 – TG speak to David Gilbert about moving the certificate to front page of website**

EASA are chasing the Regulators to find out the status of their Boards. The CAA have asked the UK NANDTB to provide that we had no findings and confirm the checklist the Board work to. As there were no findings, the Board could not provide a copy of this.

#### **11. OA/IA Group (MC)**

There are no issues to raise, everybody is waiting for Brexit.

The L3 basic was discussed at the Forum and they are minded to keep the requirement under ANDTBF\_10.

Regarding the recertification under the points system, the RL3 documentation is sent to the OA/IA for review. KP stated that only the endorsements are being made.

When the auditors audit is the L3 paperwork looked at?

During the next review the checklist it was noted that refresher training in the event of failing the exam and the OA requirement according to the checklist is to confirm the training being given. Is it the duty

of the OA to second guess the RL3?

PCN Aero is due to come out on 1 February with implementation on 1 May. BINDT are waiting to hear from NC and his team about whether PCN Aero is acceptable to the CAA.

## **12. Funding for the PRI AC7114/11 audit of the UK NANDTB (KP)**

KP to write to Safran about payment of their invoice.

## **13. Any other business**

### **a. NANDTB\_03**

Whilst KP was reviewing the above, in accordance with clause 7, 8 and 9, the Chair, Vice Chair and Secretariat need to be voted on.

Chair – KP stated that he is happy to stay on for another 2 years;

Vice Chair – AW is currently our VC;

Secretariat – a vote taking place regarding this – happy for BINDT to remain a Secretariat

### **b. Direct Observation**

PB has been looking at the definition in the standard.

NADCAPs interpretation of direct observation is the job someone is doing must be 100% observable, i.e. if they are looking at UT screen, the supervisor should observe the screen for the whole of the time.

Direction observation from 2017 is which the observer is able to come to the immediate aid of the trainee and remains within a distance that permits uninterrupted, unaided visual and verbal contact with the trainee.

From 2019, where the observer is able to review the NDT process in uninterrupted visual way with two-way contact with the trainee.

Discussion taking place regarding this – you need to be able to see the person.

It was noted there should be guidance notes.

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

**10 March – Flybe, Devon**

**2 June – Aviation House, Gatwick**

**22 September – BAE, Salmesbury**

**8 December - SWS**

### Actions allocated and carried over from meeting 69<sup>th</sup> Meeting

Ref	Actions brought forward	Remarks
27/2017	<b>AMENDED</b> WG to agree criteria to manage OA's consisting of MC, RB, JB, NC, NLB and PJB, with MC being the lead on this WG (NANDTB_12)	Update to be given in document review section
22/2018	A WG to look at NANDTB_12/OAQS 11 checklist has been formed to review both documents together – WG of KP, MC, GL and PJB.	Joined with 27/2017
24/2018	WG of MC/PB/GMcC and AW has been put together to review NANDTB_19	Update to be given in document review section
27/2018	OA/IA to create a dashboard to look at excessive number of NCRs/repeat NCRs and top NCR's for a specific year - to look at every meeting	Full report of dashboard outcome by September
29/2018	TG to circulate the document with the minutes for approval at the next meeting	Nothing to circulate until September
32/2018	WG consisting of KP/RB/JP to look at this for amendment – NANDTB_03	ONGOING – RB to go back on this WG
33/2018	WG consisting of KP/RB/JP to look at this for amendment – NANDTB_04	ONGOING – RB to go back on this WG
05/2019	KP to contact the Latvian Board	ONGOING
11/2019	JB will circulate NANDTB_10 draft	<p>N10 was voted on at the last minute, the Board accepted the changes and these were going to be circulated. NC stated that once the CAA have accepted this document it will be updated.</p> <p>PJB reported that PCN Aerospace has not yet been issued, a guidance leaflet was produced and also a notification in NDT News in December.</p> <p>From January 2020 PCN Aerospace will be changed.</p> <p>Action 23/2019 - AP to send NC the final version of this document.</p>
15/2019	WG to look at the document PJB, PB, AW, MC, KP and GMcC (NANDTB_19)	AGENDA ITEM
16/2019	PJB will take back to the Standards Committee, Holly Tyler is looking at this	The process has been started by Holly Tyler. Holly has now left and PJB will contact the new lady regarding keeping BINDT in the loop.
21/2019	KP to take equipment calibration to NADCAP task group	ONGOING
23/2019	AP to send NC the final version of this document.	
25/2019	WG consisting of to look at KP, AW, NC (CAA)	
27/2019	MC to send NC an email with the issues that SWS are experiencing	Forum update
31/2019	<b>TG to upload new document – minutes 68<sup>th</sup> Meeting</b>	

32/2019	GDPR forms to be sent to those not at the meeting by KP	
33/2019	TG to upload new version – NANDTB_02	
34/2019	TG to upload new version – NANDTB_03	
35/2019	TG to upload new version – NANDTB_04	
36/2019	PJB, GL and KP to completed scenarios to be added to the flowchart for the March meeting	
37/2019	TG to speak to Tara Ashton about emailing the Board when Andy Kular has been scheduled to carry out his observation audit	
38/2019	MC to take back to the OA/IA about charging extra levy to fund activities of the Board	
39/2019	TG speak to David Gilbert about moving the certificate to front page of website	



**Annex A – attendance and apologies for absence at the 10 December 2019 NANDTB meeting no. 69**

Name (member unless stated otherwise)	Representing	In attendance	Apologies for absence
Alan Parsons	BINDT		✓
Alun Williams (Vice Chair)	Airbus UK		✓
Chris Durrant	Safran Landing Systems Ltd		✓
Clive Worrall	British Airways	✓	
Gary Reay	Leonardo Helicopters	✓	
Graham McCully (Co-opted)	Pt. 145 Orgs and SIG members	✓	
Graham Mcleod	Honeywell		✓
Guy Lawton	MoD	✓	
Jes Dugard	MoD	✓	
John Brand	Safran Landing Systems Ltd		✓
Jon Biddulph	Rolls Royce	✓	
Kevin Pickup (Chair)	BAE Systems	✓	
Michelle Clapham (Co-opted)	Co Chair – OA/IA Group	✓	
Patrick Boulton (Voting member)	BINDT	✓	
Paul Harris	British Airways	✓	
Phil Byram	BAE Systems	✓	
Phil Ford	PRI	✓	
Ralph Duff	Bombardier	✓	
Rob Bright	Flybe	✓	
(Robert) Neal Cuddy (Observer)	CAA replacing TB		✓
Simon Wright	Co Chair – OA/IA Group	✓	
Steven Arrowsmith (Observer)	MAA	✓	
Tracy Grant (Secretary)	BINDT	✓	
	<b>Totals</b>	<b>17</b>	<b>6</b>