



**NANDTB BOARD MEETING**  
**Thursday 02<sup>nd</sup> November 2023**  
**10:00 to 15:00hrs**  
**South Sydney Graphic Arts Club**  
**Meeting Minutes**

<b>Venue</b>	South Sydney Graphic Arts Club (182 Coward Street, Mascot)
<b>Chair</b>	Rodd Smith
<b>Secretary</b>	Frank Simmer
<b>Attendees</b>	Rodd Smith (RS), Ron Quirk (RQ), Steve Swift (SS), Frank Simmer (FS), Shane Norman (SNo), Garry Bowden (GJB), Shane Wilson (SW),
<b>Guests</b>	David Punshon (DP- CASA), Johnathan Anderson (JA- DASR), Darryn Boshier (NZ ANDT), Peter Milligan (AINDT), Alisa Hewling (TCS NDT), Roger Lumley (AW Bell)
<b>Apologies</b>	Jason Maitland (JM), Darryn Boshier
<b>Zoom Attendees</b>	Roger Lumley (AW Bell), Scott Newcombe, Geoffrey Britton, Johnathan Anderson

Time		AGENDA ITEM	Assign	Action	Status
10:00	1	Welcome of Guests – apologies	RS	10am start	
	1a	Introduction of Guests	RS	Alisa Hewling from TCS NDT and Dr Roger Lumley from AW Bell (via Zoom)	
	2	Meeting Protocol (phones off; respect one another)	RS		
	3	Adopt Agenda	RS	RQ	
	4	Disclosure of Interest	All	Nil	
	5	Accept previous minutes 20/07/2023	RS	published on website RQ, GJB	

6	<b>General Business and actions from previous minutes</b>			
6.1	Procedures Review	RS	<p>NA-025 improvement. Develop Checklist for document review to reduce risk of errors. Draft FPI procedures assessment check list is included in the info pack.</p> <p>General discussion on the boards exposure when making recommendations or offering advice when procedures are offered for the Board to consider. Importantly the Board has no authority to issue ICA's, however, if CASA is using a Board endorsement to issue an ICA (AMOC etc.) then the Board's advice is directly being used to inspect safety critical hardware, hence as a SME, could be directly exposed if due consideration was not conducted.</p> <p>SS: we should consider adopt MIL-HDBK-1823A as the standard for procedure review. It is important to ensure there is rigour on POD, minimum crack size, professional understanding of the design principles and communication.</p> <p><b>Action All:</b> review MIL-HDBK-1823A and discussion on Procedures review guidelines <b>Action RS:</b> Draft procedures review hold back until more discussion. DP: should we (i.e. CASA) go back to the requester to supply the missing detail (e.g. MIL-HDBK-1823A study) prior to the procedure being submitted to the Board? <b>Action FS:</b> Add a disclaimer on the document assessment letters returned to CASA. Consult with our insurer</p> <p>From SS 13/Apr/2023 For our next meeting in July, may I please offer these four questions to help guide our discussion about MIL-HDBK-1823A:</p>	In work

1. Would we need to adapt any of this foreign military standard to avoid conflict with Australian civil legislation, standards, policy or procedures for NDT?
2. Does it require anything unnecessary for NDT in Australia?
3. Does the Board have the 'specialised knowledge' (from s79 of the *Evidence Act 1995 Cth*) to expertly opine on the previous question?
4. Would compliance require any knowledge and experience we do not now require of a Level 3?

20/07/2023

Insurer: Yes a disclaimer should be included. Written advice to come. However if the advice is contributing to an investigation the advice is an opinion. If the advice is to form instructions for maintenance then the Board could be exposed. Importantly, those submitting changes to the instructions should be supported by engineering evidence.

RS: Procedures should include minimum detectable crack size (which normally does not come with the submitted procedure).

ASTME2862-18 standard practice for POD

SS mentioned this as another possibility, but neither he nor anyone else had yet had the opportunity to review this ASTM or its pedigree.

SS recommended the Board adopt an existing procedure instead of writing our own. It would be easier. And it would be safer: MIL-HDBK-1823A was written by university-trained NDT experts with more expertise, including in POD, which the FAA now promotes. SS also assured the Board of the procedure's practicality by drawing attention to its sub-section 6.2. (SS adds post-meeting that MIL-HDBK-1823A's comprehensiveness would help the Board know what we don't know, so it would help us know when we should seek expert advice.)

General Comment from discussion: MIL Handbook is beyond the scope of the

Board and near impossible to comply with.  
 Note from SS: parts of MIL-HDBK-1823A are 'beyond the scope of the Board' and that we should apply it 'judiciously' to be practical. However, the Board should not ignore the specification in NA-025.

Action FS: schedule extra specific zoom meeting.

02/11/2023.

See Info pack for response from the Insurer. The insurer recommends that the Board seeks independent legal advice.

**Action FS:** seek legal advice

SS: Document assessment should include reference to MIL-HDBK-1823A.

DP: Applicant should make reference to POD study and provide this in their application.

SS: SS specifically requested his position be minuted that MIL-HDBK-1823A should be included in the document assessment procedure NA025.

RQ FS RS: Reiterated that MIL-HDBK-1823A is beyond the scope of the document assessment process. The process considers the procedure and corresponding question from CASA to determine if the presented procedure is adequate to reliably reproduce the test.

MIL-HDBK-1823A is additional to the scope of the assessment. The intention of the checklists for each procedure is prompt the assessor to check for specific elements within the procedure.

CASA when completed its assessment of an application issues the reply and is responsible for the due process is making such assessments.

**Action RS:** review format of checklist and distribute.

	6.2	Board Membership	FS	<p><b>Action all:</b> All Board members to continue to seek industry participation.</p> <p>By rotation the Board retires in March 2024 NANDTB elections scheduled for March 2024</p> <p><b>Action FS:</b> to manage and publicise on the Website, including endorsement letters and Board member agreements.</p> <p>Should the term be increased from 2 to 3 years? Any other rule changes? No support for a Board term duration increase. The term shall remain at 2 years.</p>	In Work
	6.3	Calibration	JM	<p>Calibration of equipment. Is it really calibration or it verification? Cost of calibrations services time/ money/ transport trauma.</p> <p>In service inspections are different to manufacturing inspections.</p> <p>Are there options/ relief for in service providers?</p> <p>JM withdrew the Question; however, there is significant interest on the subject by Board members, which prompted further discussion.</p> <p>Action All: More questions raised</p> <ul style="list-style-type: none"> <li>• Look for policy updates.</li> <li>• WiFi (over the net) calibration and subscriptions are now being offered by some equipment OEM's at a cost.</li> <li>• Calibration v's verification and what work is actually carried out when sent back to the OEM.</li> </ul> <p>CASA response via DP: CASA has issued these documents in relation to calibration of equipment.</p> <ul style="list-style-type: none"> <li>• Advisory Circular 21.35(1.1) Calibration of inspection and test equipment</li> <li>• Airworthiness Bulletin (AWB) 00-10 Issue 1 Equivalency of tooling and test equipment</li> <li>• AWB 08-001 Issue 2 Weighing equipment – not directly NDT but concept could be useful.</li> <li>• CASA EX32/23 Calibration of Aircraft Weighting equipment – weighting equipment and specific to one organisation</li> </ul>	

MIL 1823a section 4.3 discussion on calibration in particular when used for POD determinations.

From FAA 8900.1 Handbook

**I. Calibration of NDI Instruments and Standards.** The repair station or air carrier must have a program defining how and when they will calibrate NDI instruments. It should base this program on manufacturers' recommendations and/or engineering judgment. However, the certificate holder may state in its program that it calibrates the entire system to a specific, written procedure prior to each use. This procedure would include the instrument, probe, specific reference standard, and a procedure detailing at what point the instrument meets the reference standard before it is used. Some NDI instrument manufacturers state in their manual that their instrument is a continuously self-calibrating instrument and that it is up to the customer to determine regulatory calibration requirements. Reference standards typically do not require recertification if they are properly stored, cleaned, and traceable to an airframe, engine, or component.

**Action All:** More questions raised

- Look for policy updates.
- WiFi (over the net) calibration and subscriptions are now being offered by some equipment OEM's at a cost.
- Calibration v's verification and what work is actually carried out when sent back to the OEM.
- **Does the Board need to make a policy? Or should this be a determination made by the MRO?**

02/11/2023

Are there further points to add to the discussion? Is guidance material appropriate? Can we close the item?

Item can be closed. The view is that the MRO is best placed to make decision on

				Calibration and Verification procedures. This is detailed in the detailed in their exposition. The Boards opinion could not be enforced or is considerate of every organisations unique circumstance.	Closed
	<b>7</b>	Examinations report	GJB	2 x examinations reviewed. 1 x in work	Fixed agenda
	<b>8</b>	Correspondence	FS	Jaun Castano- re: Level 2 recognition by the NANDTB Neil Joiner- Re Near Vision specifications variations from the Standards (Jaeger vs Snellen vs Tumbling E) Authula Weerasekara- Re pathway for ET & UT training/ recognition. (already has MT & PT CASA MA) Tom Bunyan- Re Eddy Current Inspection of CRFP damage. Sent link to EC NDT papers. No correspondence from Domingo Blanas and Orkun Osuer re Level 3 recognition expiry	Fixed agenda
	<b>9</b>	Chairman's report	RS	Contained in info pack	Fixed agenda
	<b>10</b>	Secretary/Financial Report	FS	Contained in info pack March 2024- new funding agreement for 2024-2025	Fixed agenda
	<b>11</b>	Website Report	FS	Website statics contained in info pack <b>Action FS:</b> Update website images Access to Google drive for all members. Partition active work files with historical files. Solution is more complex than first thought, in particular for archived recognition assessments and security of the executive files. Work in progress. <b>Action FS:</b> Contact DataSearch	Fixed agenda
	<b>12</b>	AINDT Report	PM	Nil	Fixed agenda
	<b>13</b>	CASA Report	DP	CASA request for additional NDT subject training for CASA inspectors early 2024. Meeting scheduled 01/11/2023, Ross Liley, Nicky Speers <b>Action FS:</b> next meeting 23/11/2023 to articulate the program format and	Fixed agenda

				locations. Probably 2 x webinars, and 1 practical. Practicals will be in various ports. FS to socialise when more details known.	
14	ADF Report	GW		April start for next NDT course ECA course with Eddify Film Radiography processor repairs Non Film process stalled	Fixed Agenda
15	European Forum Report	RQ		See info pack for 20/21 Nov, 2023 Prague Meeting. See info pack for EFNDT Q & A on NANDTB's and the relationship with the NAA	Fixed Agenda
16	Procedures review	RS		See Item 6.1, 6.2, & 6.3 above. <b>Action:</b> FS housekeeping on all procedures. New Vision Test report uploaded	Fixed agenda
17	Members development/ continuation training	All/ SS/SW		<b>Action all:</b> share communications on upcoming events and papers	Fixed agenda
18	Standards Australia Report	FS		Quotes received on short list of standards. Board approval received to procure these and place on the Board Google drive. On hold. A large number of standards have been revised in the last quarter of 2021. <b>Action FS:</b> to procure April 2022 <b>Action FS &amp; GJB:</b> Circulate AS committee activity/ events MT-07 no meeting scheduled  GB: Suggest subscribe to AS newsletter. Link on standards currently in review. Add link to minutes	Fixed agenda
19	<b>New Business</b>				
19.1		SW		Discussion from the recent NADCAP meeting. NDT Specific examination specification and guidance material.	



				<b>Action FS:</b> share NADCAP guidance (emailed 02/11/2023)	
	<b>20</b>	<b>Questions without notice</b>			
	<b>20.1</b>			Nil	
	<b>21</b>	<b>Next meeting</b>		<p>Proposed meeting dates for 2024</p> <ol style="list-style-type: none"> <li>1) 21/March/2024 (Easter is the following weekend)- Sydney</li> <li>2) 11/April/2024 Tele conference to announce new Board</li> <li>3) 04/July/2024 AGM- Sydney</li> <li>4) 07/November/2024- Sydney</li> </ol> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1) ZOOM Video conference is available at any time on any subject</li> <li>2) Conferencing call volume was low for online participants. Additional remote microphone to be procured for the new conference camera.</li> </ol>	
<b>15:00</b>	<b>22</b>	<b>Close</b>	<b>14:00</b>		