



NANDTB BOARD MEETING
Thursday 20th July 2023
10:00 to 15:00hrs
South Sydney Graphic Arts Club
Meeting Minutes

Venue	South Sydney Graphic Arts Club (182 Coward Street, Mascot)
Chair	Rodd Smith
Secretary	Frank Simmer
Attendees	Rodd Smith (RS), Ron Quirk (RQ), Steve Swift (SS), Frank Simmer (FS), Shane Norman (SNo), Garry Bowden (GJB), Shane Wilson (SW)
Guests	David Punshon (DP- CASA), Anthony Carter (CASA Legal),
Apologies	Jason Maitland, Darryn Boshier (NZ ANDT), Peter Milligan (AINDT)
Zoom Attendees	Geoffrey Britton (ADF – incoming NDT RL3) Jonathan Anderson (JA- DASR observer), Scott Newcombe (SNe)

Time		AGENDA ITEM	Assign	Action	Status
10:00	1	Welcome of Guests – apologies	RS	10am start	
	2	Meeting Protocol (phones off; respect one another)	RS		
	3	Adopt Agenda	RQ	GJB & RQ	
	4	Disclosure of Interest	All		
	5	Accept previous minutes 30/03/2023	RS	published on website	

6	General Business and actions from previous minutes			
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>Action All: review MIL-HDBK-1823A and discussion on Procedures review guidelines Action RS: 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? Action FS: 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

				<p>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 <u>not</u> ignore the specification in NA-025.</p> <p>Action FS: schedule extra specific zoom meeting.</p>	
	6.2		RS	<p>NA-024 recognition. Reinforce exams need to be recognised by the Board IAW NA-013 prior to NA-024 application.</p> <p>Action RS/ FS: Add note to NA-024</p> <p>New applicants in particular should have their exams approved before application. RQ: EF focused on Basic exams for those with only one L3.</p>	Closed
	6.3	Board Membership	FS	<p>Action all: All Board members to continue to seek industry participation. SNe: Alisa Hewling, Director of TCS NDT WA, Level 3, PCN / BINDT in WA may be interested contributing to the Board.</p> <p>Action FS: Will make contact, potential invite to next meeting Will invite Alisa Hewling and Dr Roger Lumley</p>	In Work
	6.4	CASA MPL request	RS GW RA	<p>CAO100.27 Assessment guide now published on the Board website in the "Other documents and guides page" Item can be closed</p> <p>Action FS: Message to David. make contact (e.g. email) with MPL team, pointing to Board website and socialise the guide availability.</p>	Closed
	6.5	Calibration	JM	<p>Calibration of equipment. Is it really calibration or it verification? Cost of calibrations services time/ money/ transport trauma. In service inspections are different to manufacturing inspections. Are there options/ relief for in service providers? JM withdrew the Question; however, there is significant interest on the subject by</p>	

Board members, which prompted further discussion.

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.

CASA response via DP: CASA has issued these documents in relation to calibration of equipment.

- Advisory Circular 21.35(1.1) Calibration of inspection and test equipment
- Airworthiness Bulletin (AWB) 00-10 Issue 1 Equivalency of tooling and test equipment
- AWB 08-001 Issue 2 Weighing equipment – not directly NDT but concept could be useful.
- CASA EX32/23 Calibration of Aircraft Weighting equipment – weighting equipment and specific to one organisation

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

In work

				<p>require recertification if they are properly stored, cleaned, and traceable to an airframe, engine, or component.</p> <p>Action All: More questions raised</p> <ul style="list-style-type: none"> • 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? 	
	7	Examinations report	GJB	5 x reviews – all approved. Practicals general and specific	Fixed agenda
	8	Correspondence	FS	Mostly from foreign inspectors looking for accreditation in Australia. Eddy Current Inspection of composites	Fixed agenda
	9	Chairman's report	RS	Contained in info pack	Fixed agenda
	10	Secretary/Financial Report	FS	AGM – end of financial year report. Contained in info pack	Fixed agenda
	11	Website Report	FS	<p>Website statics contained in info pack</p> <p>Action FS: Update website images</p> <p>Access to Google drive for all members.</p> <p>Partition active work files with historical files.</p> <p>Solution is more complex than first thought, in particular for archived recognition assessments and security of the executive files. Work in progress.</p> <p>Action FS: Contact DataSearch</p>	Fixed agenda

12	AINDT Report	PM	nil	Fixed agenda																				
13	CASA Report	DP	<p>From CASA Annual Report 2021-2022</p> <p>Table A.12 Airworthiness authorities, 2019–20 to 2021–22</p> <table border="1"> <thead> <tr> <th>Type of authority</th> <th>2019–20</th> <th>2020–21</th> <th>2021–22</th> </tr> </thead> <tbody> <tr> <td>Maintenance</td> <td>4</td> <td>66</td> <td>84</td> </tr> <tr> <td>Non-destructive testing</td> <td>2</td> <td>66</td> <td>59</td> </tr> <tr> <td>Weight control</td> <td>4</td> <td>35</td> <td>27</td> </tr> <tr> <td>Welding</td> <td>4</td> <td>7</td> <td>13</td> </tr> </tbody> </table> <p>Note: CASA's method of counting airworthiness authorities changed in 2020–21, to include authorities initially issued and renewed for the reporting period.</p>	Type of authority	2019–20	2020–21	2021–22	Maintenance	4	66	84	Non-destructive testing	2	66	59	Weight control	4	35	27	Welding	4	7	13	Fixed agenda
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14	ADF Report	GW	<p>ICA review New platform reviews Training next year NDT course back Migration to CR (from film) ECA</p>	Fixed Agenda																				
15	European Forum Report	RQ	Contained in info pack	Fixed Agenda																				
16	Procedures review	RS	<p>See Item 6.1, 6.2, 6.3 & 6.4 above. Action: FS housekeeping on all procedures. Updated Vision Test Report.</p>	Fixed agenda																				
17	Members development/ continuation training	All/ SS/SW	<p>Action all: share communications on upcoming events and papers WiFi connectivity for instrument calibration. 20th World Conference NDT in South Korea 2024. APC NDT 2026 in Hawaii</p>	Fixed agenda																				
18	Standards Australia Report	FS	<p>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</p>	Fixed agenda																				

				<p>2021.</p> <p>Action FS: to procure April 2022</p> <p>Action FS & GJB: Circulate AS committee activity/ events</p> <p>MT-07 no meeting scheduled</p> <p>Training courses for FS</p>	
	19	New Business			
	19.1	CASA Legal		<p>Anthony Carter (CASA Legal) - Discussion on outcomes from Black v's CASA proceedings.</p> <p>The matter is now settled with an undisclosed agreement.</p> <p>There are a number of factors contributing to the event, in particular the use of an alternate procedure not approved by the AD.</p> <p>Discussions on the obligations of a maintenance certifier. Who is responsible for controlling the maintenance.</p> <p>The topics in discussion are parallel to the concerns over providing advice to CASA when performing document assessments and possible Board exposure.</p>	
	20	Questions without notice			
	20.1			Nil	
	21	Next meeting		<p>Proposed meeting dates for 2023</p> <p>1) 02/November/2023- South Sydney Graphic Arts club</p> <p>NOTE: ZOOM Video conference is available at any time.</p>	

	22	Close		15:15	
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