

## Guideline for NDT Level 3s performing assessment of applicants for a CASA NDT Airworthiness Authority

This form provided with this guideline may be used to record the compliance or otherwise of a person undergoing an assessment for an initial issue or a renewal of a CASA Airworthiness Authority in accordance with CAO 100.27

- a) The NDT Level 3 should complete the relevant parts of the form to accompany the person's application documents. A copy of this form and all material used in the assessment should be retained on the Level 3 files and be available for CASA or employer audit.
  - b) Where in-house NDT training is used as a basis for the AA, the Level 3 must satisfy that the training, examination and minimum practical experience requirements are in accordance with the employer's written practice, applicable approval standard and is appropriate for the Level and scope of the authorisation.
  - c) AS3669/EN4179 states that Level 1 and 2 personnel certified to these standards shall be recertified at intervals not to exceed five years. Recertification shall at least be accomplished by successful completion of practical and specific examinations equivalent to those required for initial certification."
- CASA requires that the candidates most recent Practical and Specific examination is valid and not due again for at least 2 years. If the Practical and Specific examination are due within the next 2 years, either a new recertification must be administered or request an issues of a 12 month Airworthiness Authority.
- d) For a NDT Airworthiness Authority holder who has not previously completed a Specific examination in accordance with approved standard, the Level 3 shall approve one or may provide one. If the AA holder works in more than one maintenance organization, the Level 3 may make the judgment that a single specific examination is acceptable if he/she is satisfied that it encompasses the requirements of all the organizations. When requested to conduct an assessment it is recommended that the AA holder be made aware that a Specific examination may be required.
  - e) For an existing NDT Airworthiness Authority holder who shows a deficiency in the comprehension of the basic principles of the NDT method, yet demonstrates a practical competency acceptable to the Level 3, the Level 3 may prescribe refresher training to be completed within a specified timeframe, as a condition for supporting the renewal application. (eg On-line NDT training).
  - f) Practical assessments should be documented to show for each method what samples were used, location of known defects/conditions, and the extent to which the NDT process was conducted correctly, including any related quality aspects and the correct (or not) identification of defects/conditions.
  - g) The Level 3 may use the comments field to describe any limitations or conditions which he/she believes should apply to the authorization.
  - h) See below for an *example* application form and *blank template* for Level 3 use.

**NDT Assessment Summary for CAO 100.27 – EXAMPLE FORM ONLY**

Applicant (Name)	Applicant ARN
Address	
Contact	
Employer	
Applicant's work scope/limitations	

For <b>Initial Authorisation</b> in NDT Method _____ Level _____		L3 Initial
CAO 100.27 7.1(a)	Documentary evidence of relevant experience is acceptable. Responsible Level 3 shall sight and assess evidence of completed experience hours.	
CAO 100.27 7.1(b)	Has passed the required written General and Specific examinations to be qualified to the level in the NDT method. Results attached.	
CAO 100.27 7.1(c)	Demonstration of proficiency has been successfully completed via practical examination Results attached.	
CAO 100.27 7.1(d)	Acceptable visual acuity (Employer to verify) Result attached	

Level 3 Comments/Recommendations

Typical expected Level 3 comments:

John Smith has complete **NDT LEVEL 2** training in Liquid Penetrant Test (PT) and Magnetic Particle Test (MT) in accordance with AS3669 or EN4179 at company XYS.

**1 FORMAL TRAINING CLASSROOM HOURS**

METHOD	MINIMUM HOURS REQUIRED	HOURS ACHEIVED
Liquid Penetrant Test (PT)	32	32
Magnetic Particle Test (MT)	32	32

**2 MINIMUM PRACTICAL EXPERIENCE/ ON THE JOB TRAINING**

METHOD	MINIMUM HOURS REQUIRED		HOURS ACHEIVED
	Level 1	Level 2	
Liquid Penetrant Test (PT)	130	400	L2 400
Magnetic Particle Test (MT)	130	530	L2 530

**3 FINAL EXAMINATION RESULTS**

METHOD	GENERAL	SPECIFIC	PRACTICAL	TOTAL AV.	EXPIRY DATE
Liquid Penetrant Test (PT)	90%	75%	86%	83%	26 March 2026
Magnetic Particle Test (MT)	90%	88%	84%	87%	26 March 2026

If applicant has been trained under AS3669 using Appendix B *competency based training* then full details of the *competency based training* shall be submitted.



**NDT Assessment Summary for CAO 100.27**

*To be completed by applicants Level 3*

Applicant (Name)	Applicant ARN
Address	
Contact	
Employer	
Applicant's work scope/limitations	

For <b>Initial Authorisation</b> in NDT Method _____ Level _____		L3 Initial
CAO 100.27 7.1(a)	Documentary evidence of relevant experience is acceptable. Responsible Level 3 shall sight and assess evidence of completed experience hours.	
CAO 100.27 7.1(b)	Has passed the required written General and Specific examinations to be qualified to the level in the NDT method. Results attached.	
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Level 3 Comments/Recommendations

**1 FORMAL TRAINING CLASSROOM HOURS**

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Liquid Penetrant Test (PT)	32	
Magnetic Particle Test (MT)	32	

**2 MINIMUM PRACTICAL EXPERIENCE/ ON THE JOB TRAINING**

METHOD	HOURS REQUIRED		HOURS ACHEIVED
	Level 1	Level 2	
Liquid Penetrant Test (PT)	130	400	
Magnetic Particle Test (MT)	130	530	

**3 FINAL EXAMINATION RESULTS**

METHOD	GENERAL	SPECIFIC	PRACTICAL	TOTAL AV.	EXPIRY DATE
Liquid Penetrant Test (PT)					
Magnetic Particle Test (MT)					

**NOTE:** If applicant has been trained under AS3669 using Appendix B *competency based training* then comprehensive details of the *competency based training* shall be submitted.

For <b>Renewal of Authorisation</b> in NDT Method _____ Level _____		L3 Initial																			
CAO 100.27 11.1 & 11.2(a)	Documentary evidence of relevant experience is acceptable and has been maintained during qualification period.																				
CAO 100.27 11.2(b)	The NDT AA holder's knowledge of the NDT method shows that refresher training is/is not required. (See below)																				
CAO 100.27 11.2(c)	Successful specific examination has 2 years remaining validity.																				
CAO 100.27 11.2(d)	Successful practical examination has 2 years remaining validity. Proficiency has been demonstrated and evidence recorded during the two yearly renewal period.																				
CAO 100.27 11.2(d)	Proficiency has been demonstrated and evidence recorded during the two yearly authorisation renewal period.																				
CAO 100.27 10	Acceptable visual acuity (Employer to verify)																				
<p><b>RE-CERTIFICATION</b></p> <p>_____ has successfully completed the following recertification examinations:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 30%;">METHOD</th> <th style="width: 15%;">SPECIFIC</th> <th style="width: 15%;">PRACTICAL</th> <th style="width: 15%;">TOTAL AV.</th> <th style="width: 25%;">EXPIRY DATE</th> </tr> </thead> <tbody> <tr> <td>Liquid Penetrant Test</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Magnetic Particle Test</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="margin-top: 10px;">Level 3 Comments/Recommendations:</p>   <p>The NDT Level 3 identified below has reviewed the applicant's suitability for authorisation or re-authorisation in accordance with CAO 100.27 and makes recommendations as shown above.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 25%; padding: 5px;">Level 3 Name</td> <td style="width: 25%; padding: 5px;">NANDTB Level 3 recognition number NA# _____</td> <td style="width: 25%; padding: 5px;">Sign</td> <td style="width: 25%; padding: 5px;">Date</td> </tr> </table>			METHOD	SPECIFIC	PRACTICAL	TOTAL AV.	EXPIRY DATE	Liquid Penetrant Test					Magnetic Particle Test					Level 3 Name	NANDTB Level 3 recognition number NA# _____	Sign	Date
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