

NA-019 - LEVEL 3 TECHNICAL QUALIFICATION RECOGNITION

Introduction

This procedure reflects the adoption of the EN4179-2014 wording as Australian Standard AS3669, and describes the NANDTB processes when recognising NDT Level 3 personnel technical qualifications. It also describes how the recognition may be renewed.

All Level 3s seeking to have their technical qualifications recognised by the NANDTB shall as a minimum provide the following;

1. Evidence of having completed training appropriate to the method(s) of recognition (see NA-020)
2. Evidence of having successfully completed a Level 3 general examination in the method(s) which is acceptable to the NANDTB procedure NA-013.

Note: For Level 3 recognition in less than all five main methods, evidence of a successful “basic” examination in the other (ie not requested) NDT methods must be provided.

3. Evidence of Level 2 qualification and the required minimum Level 2 experience.

Recognition will follow the *Flowchart for Level 3 Qualification Recognition Procedure* on page 2, and a letter from the Board will be sent to the applicant showing the result.

Note for applicants from outside Australia

The NANDTB will not consider recognition of persons in jurisdictions outside Australia, unless the application is accompanied by a statement from the National Aviation Authority (NAA) that it accepts the NANDTB of Australia as meeting its requirements.

General

It is important to understand that NANDTB recognition of Level 3 technical qualifications is not an authorisation to perform and certify for work. According to the standard, only the employer may authorise NDT staff in accordance with its written practice, including Level 3. It is imperative therefore that maintenance organisations wishing to use the services of a Level 3 have a written practice which describes how the organisation authorises the Level 3. The Written Practice must address the suitability and

other qualifications the employer may require.

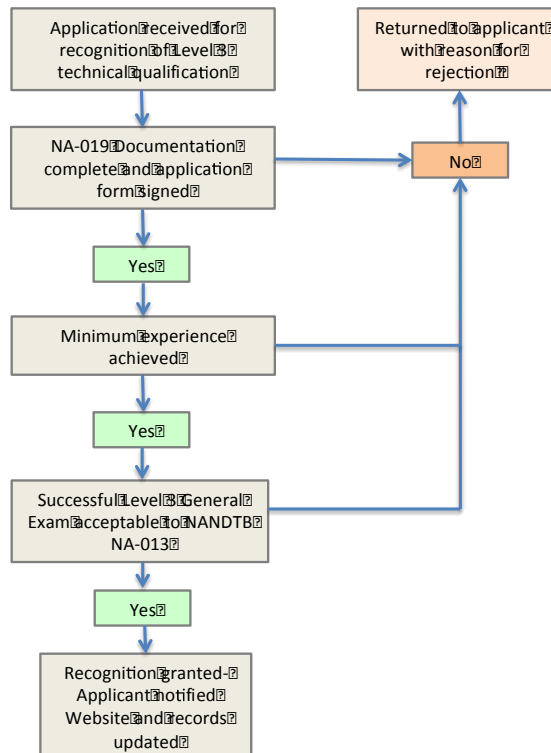
The NANDTB recognition is current for 5 years and he/she may be listed on the NANDTB web site as a Level 3 technically qualified in accordance with the Standard. Recognition is also dependent on the person accepting and adhering to the Code of Ethics of the Australian Institute for NDT available from www.aindt.com.au.

Pages 7, 8 and 9 of this procedure constitute the application form. Applicants should use this form together with the necessary supporting documents. Evidence of periodic qualification renewal as per the requirements of the qualification scheme, must also be provided if renewal has been due since the original qualification was issued.

Persons who relinquish their Level 3 certification as per the standard will need to complete a new Level 3 General Examination before reapplying for Recognition.

Standard of Evidence

The documents supporting Level 3 recognition must be complete, and show sufficient detail such that the assessors may make informed judgments. Level 3 General Examinations are not acceptable per this procedure if given and administered by the Level 3's own employer or organisation if self-employed. A covering letter from an employer or employer statements of attainment or competency on behalf of the employee is insufficient by itself. Certificates, examination scores or other verifiable written results are required.



Application Flowchart

Renewal of NDT Level 3 Technical Qualification Recognition

Requirements

It is the responsibility of the recognized Level 3 to apply for renewal of recognition well before its expiry date (allow 10 weeks). NANDTB recognition will not be renewed without application.

Renewal of recognition may be granted after the applicant satisfies one of the following three processes:

- 1) Specific and Level 3 Practical examination (procedure writing) – For Level 3 **NOT** accepting product
- 2) Credit Points Method – For Level 3 **NOT** accepting product.
- 3) Combination of 1 or 2 and a Level 2 equivalent practical – Level 3 **ACCEPTING** product as part of their duties.

Each recognised NDT Level 3 is responsible to monitor his/her own requirements to retain their qualification.

Application

In making application for Level 3 recognition renewal, the applicant must show:

- 1) Employment in a Level 3 function for a minimum of 36 months (at least 12 of which are in the last 24 months) within the previous five years in the method(s) for which renewal of recognition is sought. The number of months is cumulative and does not need to be consecutive. Employers are required to provide written support that the Level 3 has met the above employment requirements and is currently employed by them.
- 2) Current satisfactory vision test as required by the standard if accepting product.
- 3) Documents used for renewal.
- 4) If not using Level 3 examination results to support renewal, objective evidence that the applicant has kept up to date with current NDT technology in the method(s) for which they are seeking recognition by obtaining a minimum of 24 points during the five year period, irrespective of the number of certifications (methods) obtained, by engaging in a combination of activities listed in Appendix C.

Credit Points and Interpretation

- A. A minimum rolling aggregate of 24 points is required over any five consecutive

- years.
- B. Table 1 of this procedure may be used to record points earned. Documentary evidence is required to justify the entries in the table. Examples of acceptable evidence are shown in Appendix A.
 - C. Where an activity could be described by more than one classification, the classification which allocates the lowest point score is to be used.

Note: *In exceptional circumstances, a signed Statutory Declaration may be accepted by the reviewing panel for meeting some of the credit point's criteria. Circumstances and acceptability will be at the sole discretion of the reviewing panel and all decision will be kept on the applicant's file.*

The Credit Points table is by its nature brief and generalised. An interpretation of each category of activity is provided below to ensure a consistency of understanding by those seeking to renew their Level 3 recognition. The interpretations are as follows:

1. Authoring or co-authoring technical NDT papers and presentations

Meaning: Self-Explanatory, but the work must be published or presented at a recognized conference or seminar. Examples of acceptable evidence are shown in Appendix A1.

2. Authoring, co-authoring or custodian for company or industry NDT specifications or standards.

Meaning: Being tasked with the management of the development or amendment of NDT specifications. This could be chairing a Standards committee or similar. Acceptable evidence: A letter from the organisation indicating the NDT Standard or specification, date and author(s).

3. Attending technical sessions, seminars, committee or panel meetings of national or international technical NDT societies or institutes, inter-company NDT teams comprised of members from several locations. *Meaning: Self-explanatory. Intercompany means the participation of more than one company not simply the involvement of persons from several locations or departments of the same company. Acceptable evidence: Minutes of meeting page showing attendance.*

4. NDT Technical training instructor teaching courses which are designed to prepare students for NDT qualifications or other academic qualifications. *Meaning: Assisting Skills Training by delivering NDT courses or providing specialist training to staff on NDT methods and techniques. The training could be delivered internally or externally to the employer. Acceptable evidence is summary of courses delivered that includes course title, dates, client name and duration or course covers with the above information (A2).*

5. Participating in technical courses or seminars.

Meaning: Attending courses or seminars to gain knowledge on an NDT subject, or participating in the delivery of the course or seminar. Certificates of attendance are acceptable evidence (A4).

6. Participating in technical courses or seminars for which academic credit is given.

Meaning: Training which is identified in a national framework as part of an award or qualification. Copies of results from the Institute are required.

7. NDT Examiner

Meaning: Developing and marking a written examination or developing, administering and marking a practical examination. Statement from Examining body detailing subject, level and date of paper is acceptable.

8. NDT related technical and/or scientific publications published either internally or externally. *Meaning: Producing an NDT paper for publication either within the Level 3's employment or externally. Acceptable evidence: Copy of paper showing title, Author(s), place of publication (journal, book, etc.) date of publication and page numbers.*

9. Documented NDT contributions to company, technical society or industry committee projects.

10. Committee or Panel Meetings.

Meaning: Meetings, conferences, symposia, seminars, trade association meetings, panels, etc. organized or sponsored by a regional, national or international NDT organization or technical society. Foreign or international meetings qualify if the sponsor(s) are national or international.

11. Committee Projects.

Meaning: Specific identifiable official activities of regional or national technical societies, committees or work groups, such as round robins or individual studies, preparation of guidelines, appendices, specifications, recommended practices, procedures, codes or standards, etc. Documentation may include memos or reports, drafts of committee output documents, or official written comments submitted by the candidate on such documents.

12. Documented participation in NDT related studies, developments or investigations.

Meaning: Producing detailed NDT investigations, evaluations or reports for engineering or management consideration. It does not mean a routine NDT report. It could include assessment of new NDT equipment. Copy of front page showing project name, participants, dates and summary of work done is acceptable evidence.

13. Documented continuous satisfactory performance as a Level 3.

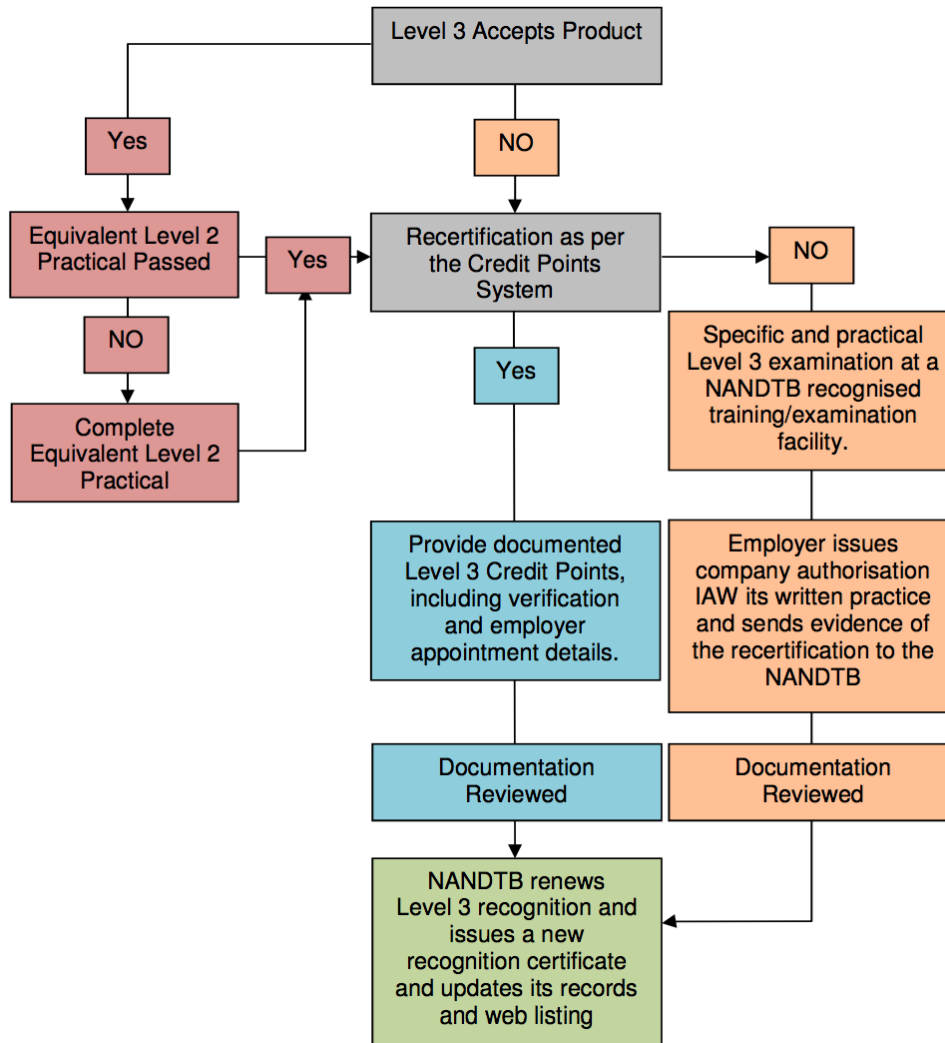
Meaning: Annual successful revalidation of Level 3 company authorisation. This is mostly based on the attaining of sufficient points as outlined above. Accordingly, any points allocated for this are to be considered as extra to the 24 point rolling aggregate. Refer to Appendix B.

14. Conduct external NDT audit. *Meaning: Audits of non-company NDT facilities. Acceptable evidence is front page of audit sheet showing name of company audited and standard against which audit was carried out, see example A3.*

Records

Each Level 3 should maintain an activity table similar to the one shown in Appendix C,

and note the allocated points as soon as the activity is completed. A current copy is to be submitted to the NANDTB with documentary evidence of the activities when seeking renewal of recognition.



Flowchart for Level 3 recognition Renewal Procedure

Notes: If the Level 3 also works in the capacity of a Level 2 (accepts product), a practical examination as for a Level 2 including visual acuity is required.

NDT LEVEL 3 QUALIFICATION RECOGNITION APPLICATION FORM

Please TICK the relevant box.

- Initial Recognition
- Re-recognition
 - Specific and Practical - Level 3 (Procedure)
 - Credit Points Method.
 - Combination of 1 or 2 plus a Level 2 equivalent practical – Level 3
ACCEPTING product as part of their duties.

Employer Statement

The current employer shall submit in writing a statement that the Level 3 applying for recognition is fulfilling Level 3 duties, either full time or on regular basis for the company and/or its clients.

Personal Information

Name:

Birth date:

Address:

Town:

Postcode:

Telephone:

Email;

Employer

Company name:

Business Activity:

Address:

Town:

Telephone:

Email:

Contact person:

Attach local aviation regulator statement of acceptance of the Australian NANDTB.

NOTE: If the aviation regulator in the jurisdiction of the applicant is NOT the Australian regulator, then the application will NOT be processed unless the above is attached.

NDT Methods

Indicate the methods below for which recognition is sought Eddy Current Testing

- Magnetic Particle Testing
- Penetrant Testing
- Radiographic Testing
- Eddy Current Testing
- Ultrasonic Testing
- Other (Specify).....

Level 3 Qualification

Indicate the source of your Level 3 qualification

- AS3669
- A.S.N.T
- EN 473 (Aero)
- N.A.S 410
- ISO 9712
- AS3998/ISO9712 (Aero)
- AS3998/ISO9712 (Multi Sector)
- EN4179
- PCN Aero
- Other (Specify)

Qualification certificate issue date and number if applicable:.....

Provide a copy of the qualification and renewals with this application.

Statement of Relevant Experience

Documentary evidence of relevant aerospace experience operating as a Level 3 in each NDT method for which transition is sought. This may be in the form of a company job description and verification of the time spent in that position and that the activity as the Level 3 was undertaken diligently and competently. Also participation on committees, forums and industry bodies is considered relevant experience.

Copies of supporting documents are to be attached to this application.

Conditions of Signature

By signature on this application, the applicant agrees to the following:

- . To abide by any decisions taken by the Board in regard to recognition, including the granting, suspension or cancellation of the recognition.
- . If recognised by the NANDTB, to abide by the Code of Ethics for Level 3 Personnel.
- . To release the National Aerospace NDT Board of Australia from any and all liabilities, claims, demands, or causes of action whatsoever, which now exist or which may hereafter arise on account of the undersigned’s activities henceforth as Level 3 recognised by the NANDTB.
- . To guarantee that all information provided on this application and the attachments are true and correct and no information, which might be detrimental to the consideration of the application, has been withheld. The NANDTB may make any inquiries necessary to determine my NDT qualifications and experience.
- . Not to misrepresent any decisions of the NANDTB.

Optional: I authorise the NANDTB to publish my name, Level 3 test methods and contact information on its web site.

Signature of Applicant :

Print Name of Applicant :

Date of Application :

Return application to:
National Aerospace NDT Board
C/- The Secretary

Email via website www.ndtboard.com

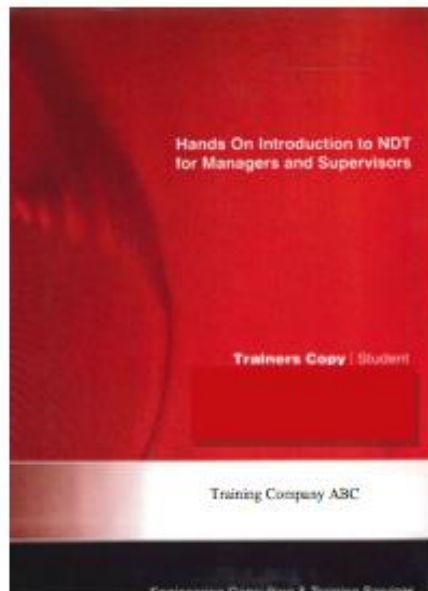
Appendix A

Examples of Acceptable Documentation for Level 3 Recognition

A1 Authoring or co-authoring technical NDT papers and presentations

The image shows two documents related to NDT technical work. On the left is the 'NDT 2011 Conference Programme' for Tuesday 12th September - Afternoon Session. It features a sidebar with navigation buttons like 'Conference Programme', 'Conference Topics', 'List of Exhibitors', 'Media Links', 'Future Events', 'About us', and 'Sponsor Programme'. The main content is a table of sessions with columns for Session ID, Session Title, and Session Chair. On the right is the cover of a technical paper titled 'Looking for Active Cracking, Corrosion and Other Flaws, in the Oil and Gas Industry Using Acoustic Emission'. The cover is from 'THE AUSTRALIAN INSTITUTE FOR NON-DESTRUCTIVE TESTING' (AINDT) and is presented at the 'Australian Oil & Gas Exhibition & Conference' on February 26, 2014, in Perth, Western Australia.

A2 NDT Technical training



A3 Participating in technical courses or seminars.



A4 Conduct external NDT audit

Training Company ABC

SNT-TC-1A Written Practice Assessment

Date of Assessment: 28 March 2014

Assessor: Mr J Bloggs

Company Assessed: Sweepko ABC Pty Ltd

Company Representative:

Criteria	Comments
1.1 - SNT-TC-1A Level 1 and 2 assessors, including their names and contact details, must be provided to the assessor.	There are four Level 1 and 2 qualified UT assessors. More than covering UT and RT testing. Yes, they can do other inspection but are not qualified RT. Company also is a RT / or UT UT supporting technique unless it is required if it needs qualified by UT.
1.2 - SNT-TC-1A Level 1 and 2 assessors must provide evidence of their qualifications and contact details.	They provide to refer to the assessor with a document, unless it is not verified as required if required.
1.3 - SNT-TC-1A Level 1 and 2 assessors must provide evidence of their qualifications and contact details.	If you are to be assessed, their level of experience must be verified.
1.4 - SNT-TC-1A Level 1 and 2 assessors must provide evidence of their qualifications and contact details.	SNT-TC-1A Level 1 and 2 assessors must provide evidence of their qualifications and contact details. They can accept report if required, but you can show it as well.
1.5 - SNT-TC-1A Level 1 and 2 assessors must provide evidence of their qualifications and contact details.	Available the contact details of SNT-TC-1A assessor if it is assessed is copied and to Level 3 assessor.

Mr J Bloggs
Mr J Bloggs

A5. Documented NDT contributions to company, technical society or industry committee projects.



APPENDIX B

EXPOSITION OF “CONTINUOUS SATISFACTORY PERFORMANCE AS A LEVEL 3”

All of the activities of a Level 3 are not fully described in the Credit System shown above. This appendix provides details and guidance on other related activities which are considered to be a valid part of the Level 3 work scope. They form a subset and are treated the same way by using a scoring system to determine if the intent of item 11 of the Credit System has been met. To qualify for all four points permissible under item 11, the candidate must achieve eight points from this appendix from at least three separate activities. Documentary evidence must support each point's allocation.

<i>Activity</i>	<i>Points</i>	<i>Max Allowable</i>
a) Annual review of Level 1 NDT tasks.	2 per review	2
b) Internal audit of company NDT group	2 per audit	6
c) Deliver Specialised NDT Training	1 for each 4 hours	4
d) Conduct revalidation assessments	1 for each day spent	4
e) Internal/external NDT/Quality training	2 for each day	4
f) Review of NDT procedures and specifications	1 for each day	4

Appendix C Level 3 Re-recognition Points Summary.

Level 3 Credit Points Aggregate for Five Years 20.... ..to 20.....

Activity	Criteria	Points	Max per 5 years	Year 1	Year 2	Year 3	Year 4	Year 5
Authoring or co-authoring technical NDT papers, presentations or white papers	Sole author	8	8					
	Co-author	4						
Authoring or co-authoring for company or industry NDT specs or standards	Each stand/spec	2	8					
Attending technical sessions, seminars, committee or panel meetings of a) National or international technical NDT societies, institutes etc. b) Inter-company NDT teams comprised of members from several locations	1 day or 1 meeting	1	8					
	2 days	2						
	3 or more days	4						
NDT instructor teaching academic courses which are designed to prepare students for NDT qualification	Each 8 hours of instruction	4	8					
Participating in technical courses or seminars	Each 8 hours of documented instruction	2	8					
Participating in technical courses or seminars for which academic credit is given	For Continuing Education Units (EDU) or academic credit earned	Actual CEU	8					
Obtain initial Level 3 certificate from recognized industry source (applicable only to initial professional certification). (does not apply to professional recertification)	For each method obtained	4	4					
NDT examiner	For each qualification examination	1	6					
NDT related technical and/or scientific publications published either internally or externally	For each paper published	4	8					
Documented NDT contributions to company, technical society or industry committee projects	For each documented contribution (Refer to Appendix B)	4	8					
Documented participation in NDT related studies, developments or	For each documented contribution	4	8					

investigations								
Documented continuous satisfactory performance as a Level 3	Written testament by employer for each method in the certification period	1	4					
Conduct external NDT audits	For each external audit	2	6					
Development of new NDT processes, facilities or systems	For each documented contribution	4	8					
Submitting and/or obtaining a patent for an NDT product or process Submitting and/or obtaining a patent for an NDT product or process	Sole inventor	8	8					
	Co-inventor	4	4					
	Max total							