

## **NA-024 LEVEL 3 TECHNICAL QUALIFICATION RECOGNITION IN ACCORDANCE WITH EN4179/NAS410**

### **1. Policy**

It is NANDTB policy to offer NDT Level 3 recognition, where such a requirement is demonstrated, to those applicants who satisfy the technical qualification requirements of EN4179/NAS410 and this procedure.

Note this procedure is applicable to Australian and New Zealand applicants only. Applicants from other regions will not be considered for Australian NANDTB recognition.

### **2. Introduction**

This procedure describes the process used by the NANDTB to recognise NDT Level 3 technical qualifications according to EN4179/NAS410 and how recognition may be renewed. Included in this procedure at Annex A is the application form applicants must fill out when requesting Level 3 recognition or renewal.

Successful applicants will be provided with an NANDTB letter of recognition.

### **3. Conflict of Interest**

This procedure defines a Conflict of Interest as a situation in which the NANDTB Recognized Level 3 has a duty or loyalty to more than one person or organization, which may influence his/her ability to make an impartial decision. This includes when the Level 3's personal interests are inconsistent with the fair and correct outcome sought.

Application for recognition per this procedure implies a commitment by the applicant that if granted recognition he/she will avoid both real and perceived conflicts of interest, specifically;

- a) Personal gain or advantage a result of the Level 3's decision
- b) Gain or advantage to an immediate relative as a result of the Level 3's decision.
- c) Gain or advantage to a business partner as a result of the Level 3's decision

#### **4. 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 EN4179/NAS410, only the employer may authorise NDT staff in accordance with its written practice, including Level 3. It is imperative therefore that organisation wishing to use the services of a Level 3 have a written practice which describes how the organisation authorises the Level 3.

The NANDTB recognition is current for 5 years. If Level 3 recognition is based on successful qualification or requalification examination(s), or the use of the Level 3 credit system, the period of the recognition will expire five years from when the examination was taken or when the assessment of compliance with the Level 3 credit system was undertaken, and not five years from the application. In the case of multiple method examinations or use of the credit system, the expiry will be five years from the oldest examination or credit system compliance assessment.

#### **5. Code of Ethics for NANDTB Recognised Level 3**

Recognition is also dependent on the applicant accepting and adhering to the NANDTB Code of Ethics:

- a) Co-operate with the customer and/or employer in all aspects of Work Health and Safety-WHS management and procedures as well as all applicable laws and statutory regulations.
- b) Make no misrepresentations and always act in good faith in the interests of the customer, employer and the NANDTB
- c) Accept professional obligations only for those tasks of which they are qualified and competent
- d) Provide technical advice, express opinions, or make statements in an objective and truthful manner to the best of their ability.
- e) Avoid and disclose both real and perceived conflicts of interest.

A recognised level 3 who comes to the notice of the NANDTB for alleged failure to comply with these Code of Ethics may be required to show cause as to why their recognition should not be withdrawn

#### **6. Initial Level 3 Recognition**

For initial recognition the following evidence shall be supplied:

- a) A completed application form as per Annex A of this procedure.
- b) Evidence that the applicant has a requirement for EN4179/NAS410 Level 3 recognition. (Statement from Australian or New Zealand based

- employers)
- c) Current vision examinations.
  - d) Evidence that the applicant has completed Level 2 training appropriate to the method(s) of recognition. *Refer to EN4179/NAS410 Section 6.1 and Table I.*
  - e) Evidence that the applicant has achieved level 2 minimum experience requirements. *Refer to EN4179/NAS410 Section 6.3 and Table II.*
  - f) Evidence that the applicant has successfully completed Level 2 general, specific and practical examinations. *Refer to EN4179/NAS410 Section 7.1*
  - g) Evidence that the applicant has achieved the minimum experience requirements for Level 3. *Refer to EN4179/NAS410 Section 6.3 and Table III.*
  - h) Evidence that the applicant has successfully completed a Level 3 general, specific and practical examination in the method(s) of recognition, *Refer to EN4179/NAS410 Section 7.1.*

**Note:** *The Level 3 general examination must come from a reliable and credible source. Refer NA board procedures for examinations that will be accepted by the board.*

- i) If the applicant has been a Level 3 technician for over 5 years and has used the Level 3 credit system to renew currency, the Level 3 examinations need not be current. Level 3 specific and practical examinations must be current if the Level 3 credit system was not used to renew currency. *Refer to EN4179/NAS410 Section 8.5.2.*

If the credit system is used to renew currency a statement from the applicant's employer is required to confirm 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 methods in which renewal is sought. *Refer to EN4179/NAS410 Annex A.*

**Note:** *For Level 3 recognition in less than all five main methods, evidence of knowledge of other main methods such as completing a successful 'basic' examination as per the requirements of EN4179/NAS410 must be provided.*

## 7. Renewal of Level 3 Recognition

It is the responsibility of the recognized Level 3 to apply for renewal of recognition well before its expiry date (allow 10 weeks).

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

- a) A completed application form as per Annex A of this procedure.
- b) A copy of the initial NANDTB letter of recognition.
- c) Evidence that the applicant still has a current requirement for EN4179/NAS410 Level 3 recognition since initial application was sought. (Statement from Australian or New Zealand based employers only).
- d) Evidence that the applicant has current vision examinations. *Refer to EN4179/NAS410 Section 7.1.1*
- e) Evidence that the applicant has successfully completed Level 3 specific and practical examinations in the method(s) of recognition

**Note:** *The Level 3 examinations must come from a reliable and credible source. Refer NA board procedures for examinations that will be accepted by the board.*

*Or*

In the case of the applicant using the Level 3 credit system to renew currency provide appropriate evidence that meets the requirements of the Level 3 credit system as per the standard.

If the credit system is used to renew currency the following is required:

- i. a statement from the applicant's employer is also required to confirm 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 methods in which renewal is sought.
- ii. Evidence that continuity in the method has been maintained by providing a list of 8 verifiable level 3 tasks in each method for which recertification is sought during the 5 year period. See <https://www.ndtboard.com/wp-content/uploads/2019/10/NA-24-guidelines-rev-0.pdf>
- iii. Evidence that the applicant has kept up to date with current NDT technology in the method(s) for which they are seeking recertification by obtaining a

minimum of 24 points during the 5 year period of certification, irrespective of the number of certification (methods) held. Refer Annex A of the standard for the list of valid activities.

## 8. Standard of Evidence

The documents supporting Level 3 recognition must be complete, and show sufficient detail for the assessors may make informed judgments. Level 3 examinations are not acceptable if given and administered by the Level 3's own employer or organisation if self-employed. Employer statements of attainment or competency of the applicant is insufficient by itself. Certificates, examination scores or other verifiable written results are required.

## 9. Credit Points

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:

- a) Authoring or co-authoring technical NDT papers and presentations

**Meaning:** *Self-Explanatory, but the work must be published or presented at a recognized conference, seminar or other acceptable audience.*

- b) 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).*

- c) 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.*

- d) NDT instructor teaching academic courses

**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.*

- e) 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.*

- f) 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.*

- g) 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 or other acceptable physical examination evidence*

- h) 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.*

- i) Documented NDT contributions to company, technical society or industry committee projects.

**Meaning:** *Producing NDT technical material in support of project, technical paper, report etc internally or to externally to a society or industry committee/project*

- j) 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.*

- k) 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.*

- l) 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.

m) 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.*

n) 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.*

**Note:** *Some examples of acceptable evidence are shown in NANDTB procedure NA019 - Appendix A1*

## 10. Assessment Process

All applications in accordance with this procedure are to be assessed by a minimum of three individual Board members, with overview and management by one executive committee member.

Each Board reviewer will be sent the applicants full application along with a reviewer's spreadsheet. After reviewing all applicable evidence the spreadsheet is completed and signed by the reviewer.

All members are to have a copy of EN4179/NAS410 available in order to assess compliance.

If a unanimous decision is not then reached, the application is to be denied until further acceptable information/evidence is received.

The applicant is to be provided with a full explanation of any non-conformances and given the opportunity to rectify such non-conformances.

The reviewing NANDTB executive member will correlate all evidence and complete Annex D as applicable and inform applicant of outcome.

Successful applicants are to be forwarded a letter as well as a certificate of recognition from the Chairman of the NANDTB.

## ANNEX'S

**Annex A:** NDT LEVEL 3 EN4179/NAS410 TECHNICAL QUALIFICATION RECOGNITION *APPLICATION*

**Annex B:** APPLICATION *CHECKLIST* - NDT LEVEL 3 EN4179/NAS410 TECHNICAL RECOGNITION - *INITIAL*

**Annex C:** APPLICATION *CHECKLIST* - NDT LEVEL 3 EN4179/NAS410 TECHNICAL RECOGNITION - *RENEWAL*

**Annex D:** For NANDTB Administration only

## ANNEX A

### NDT LEVEL 3 EN4179/NAS410 TECHNICAL QUALIFICATION RECOGNITION APPLICATION

Please TICK  the relevant box.

- Initial NANDTB Recognition                       Re-recognition

#### Certification Path

- Examination method - Specific and Practical  
 Credit System method.

#### 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:

### NDT Methods

Indicate the methods below for which recognition is sought

- Eddy Current Testing
- Magnetic Particle Testing
- Penetrant Testing
- Radiographic Testing
- Ultrasonic Testing
- Thermography
- Other (Specify) \_\_\_\_\_

### Level 3 Qualification

Indicate the source of any previously held Level 3 qualification

- N.A.S 410
- EN4179
- AS3669
- Other, please specify \_\_\_\_\_

### Required Supporting Evidence

The applicant must attach all supporting evidence as detailed in this procedure.

### 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* contained within
- 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  
[secretary@ndtboard.com](mailto:secretary@ndtboard.com)

## ANNEX B

### APPLICATION CHECKLIST - NDT LEVEL 3 EN4179/NAS410 NANDTB TECHNICAL RECOGNITION - INITIAL

The following evidence/forms must be supplied in order to be eligible for Level 3 EN4179/NAS410 technical qualification recognition - initial

- Application from Annex A completed
- Evidence that the applicant has a requirement for EN4179/NAS410 Level 3 recognition. (Statement from Australian or New Zealand based employers only. Applicants from other regions will not be considered for recognition)
- Evidence that the applicant has current vision examinations.
- Evidence that the applicant has completed Level 2 training appropriate to the method(s) of recognition.
- Evidence that the applicant has achieved Level 2 minimum experience requirements.
- Evidence that the applicant has successfully completed Level 2 general, specific and practical examinations
- Evidence that the applicant has achieved the minimum experience requirements for Level 3.
- Evidence that the applicant has successfully completed a Level 3 general, specific and practical examination in the method(s) of recognition.
- If applicant is an existing Level 3 and is seeking NANDTB recognition for the first time and using the credit system the evidence required is the same as that detailed below for re-recognition, including a statement from the applicant's employer confirming 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 methods in which renewal is sought. All other INITIAL requirements detailed here shall apply.
- For Level 3 recognition in less than all five main methods, evidence of passing a 'basic' examination covering the other main NDT methods is also required.

## ANNEX C

### APPLICATION CHECKLIST - NDT LEVEL 3 EN4179/NAS410 NANDTB TECHNICAL RECOGNITION - RENEWAL

The following evidence/forms must be supplied in order to be eligible for Level 3 EN4179/NAS410 technical qualification recognition- renewal

- Application form from Annex A completed.
- A copy of the initial NANDTB letter of recognition.
- Evidence that the applicant still has a current requirement for EN4179/NAS410 Level 3 recognition since initial application was sought. (Statement from Australian or New Zealand based employers only. Applicants from other regions will not be considered for Australian NANDTB recognition)
- Evidence that the applicant has current vision examinations.
- Evidence that the applicant has successfully completed Level 3 specific and practical examinations in the method(s) of recognition.

Or

- In the case of the applicant using the Level 3 credit system to renew currency provide appropriate evidence that meets the requirements of the Level 3 credit system as per the standard.
- If the credit system is used to renew currency, additionally to the 8 verifiable tasks and the 24 points collection a statement from the applicant's employer is also required to confirm employment in a Level 3 function for a minimum of 36 months.

**ANNEX D**

**For NANDTB Administration only**

**Applicants name:**

**Date Application received:**

	<b>Name</b>	<b>Level 3 NANDTB #</b>	<b>Result</b>	<b>Date</b>
<b>Assessor 1*</b>				
<b>Assessor 2*</b>				
<b>Assessor 3*</b>				

**Details of non-compliances:**

\* All assessors to sign Excel reviewer's spreadsheet.

**Assessment result**

Compliant

Not compliant

**Applicant informed of Assessment outcome:**

YES

NO

**Recognition Letter sent out:**

YES

NO



**NANDTB Approving Executive**

**Name:**

**Signature:**

**Position:**

**Date:**