



NA -022 Recognition of In-House NDT Training and Assessment

1. Purpose

To provide guidance to the Board for the evaluation and recognition of employer provided NDT training and assessment, as meeting the requirements of EN 4179 / NAS 410 and the NANDTB.

This Procedure establishes the means by which the Board will assess the qualification and competency of all aerospace NDT technician levels achieved through in-house training and assessment. Application to the Board may be made using the form in this procedure. A recognition certificate in the same form as NA-012 may be issued if recognition is granted.

2. Background

As a self-administering industry sector under the guidance of the aviation regulatory authority, it will be the responsibility of employers to maintain the integrity of their training systems, be it through an RTO or In-house. The experience requirements for personnel who are to be trained in routine, non-routine or specialist NDT methods shall be established by the certifying agency or the NANDTB. Examples of specialist NDT methods would be; acoustic emission, neutron radiography, penetrant leak testing, thermography, holography, and computer radiography.

Training and assessment provided through an RTO would be assessed by a desk top audit using Appendix 1 of Procedure NA-012 and the training package or syllabus.

In-house training is not transferable across employers unless stated in the new employer's written practice. If used, the NANDTB will, through this Procedure's evaluation process, support industry to meet their requirements. This should allow flexibility and give recognition of qualifications and training pathways. It does not mean individual companies will have to comply in every sense as it is intended to give the flexibility to evaluate equivalencies of training requirements, allowing business to develop and at the same time maintain core training standards.

3. Evaluation Process

3.1 Registered Training Providers:

For Registered Training Providers (RTO) the Board will follow the processes in Procedure NA-012

3.2 In-house Training:

For In-house NDT training and assessment the Board will appoint a review committee. The responsibility of the committee chair person would be to determine the scope of the evaluation required. From this a matrix would be drafted to cover all aspects and ensuring traceability of the process.

The evaluation of training will determine the skill requirements against the employer's written practice for adequacy that persons employed for those NDT duties acquire the necessary competencies.

A complete assessment of the NDT technician as per EN 4179 / NAS 410 requires General, Specific and Practical assessments. The evaluation of the employer's assessment process includes its design, conduct and management. Assessment materials other than AINDT developed assessments may be requested by the NANDTB for confirmation of compliance to EN 4179 / NAS 410. Experience must be validated from a personal logbook/training record compiled during the qualifying period.

The following to be verified by the committee:

- (a) An effective Training Needs Analysis underpins the identification of the employer's training requirements.
- (b) The training structure, including evidence identifying those parts of the training which are endorsed (eg parts of National Training Packages) and those which are not endorsed (eg parts which are included to meet the employer's requirements or standards).
- (c) Match the assessment criteria to the training delivered to determine if the learning outcomes are aligned with the intended qualification.
- (d) A process for periodic evaluation and updating of learning programs offered for review.
- (e) Examples, if any, of other employer's training and the skill sets it is intended to deliver.

4. Principles of evaluation

All evaluations carried out by the NANDTB are required to demonstrate compliance with the four principles of;

- Validity: Evaluation results are to be evidence based.
- Reliability: Evaluation committee to exercise diligence and integrity.
- Fairness: Evaluation mechanisms are applied without coercion or influence.
- Flexibility: Evaluation may use a variety of methods to best meet the situation.

5. Rules of evidence

5.1 Validity

Evidence must relate directly to the requirements of the training under review. The evaluation committee must ensure that the evidence collected supports a demonstration of the outcomes and performance requirements, of the skills and knowledge required.

5.2 Sufficiency

The collection of sufficient evidence is necessary to ensure all aspects of the review have been captured and to satisfy the need for repeatability. The amount of evidence necessary for the evaluation is determined by the evaluation committee.

5.3 Currency

Evidence collected must be sufficiently recent to show that it applies to the training being evaluated.

5.4 Authenticity

Where evidence relies on indirect or supplementary forms of evidence or the evidence is not directly observable, other complementary evidence that supports authenticity may be used.

6 Confidentiality: Training and assessment material supplied to the NANDTB by the employer is confidential to the Board, and may not be released to any third party except as agreed in writing by the employer.

7. Evaluation Summary Report

Evaluation Report of (Organisation)
Conducted on
Evaluation Committee Members
NDT Methods or Processes evaluated
NDT Personnel trained to Level
Summary of Material reviewed
Committee Recommendations

Committee Chairman

Date

RECOGNITION of IN-HOUSE TRAINING APPLICATION FORM

Organisation

Company name:
Business Activity:
Address:
City:
Telephone:
Email:
Contact person:

Responsible Level 3 Information

Name:
Organisation (if not the applicant)
Address:
City:
Postcode:
Telephone:
Email;

NDT Method(s)

Indicate the methods below for which recognition is sought

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

Training Level(s)

Indicate the training level(s) for which recognition is sought

Training Levels

Method	L1 Limited	L1	L2 limited	L2	L3
Penetrant					
Mag.Particle					
Ultrasonic					
Radiography					
Eddy Current					
Thermographic					
Other					

In regard to the scope of recognition identified above, provide evidence or substantive statements which show that the training offered meets the minimum standard outlined in the EN 4179 / NAS 410. Indicate with a check mark what information is included



with this application.

- ® Qualified Responsible Level 3
- ® Training syllabus
- ® Qualified instructor(s)
- ® Training and examination materials and their control
- ® Training facilities
- ® Test equipment, consumables, instruments and samples
- ® Examination preparation and control
- ® Records

Acceptance of Conditions

By signature on this application, the applicant agrees that the recognition of the organisation as an outside agency, if granted, is conditional on the ongoing compliance with clauses 4.1 and 4.2 of this procedure NA-012.

Signature of Applicant :

Print Name of Applicant :

Date of Application :

Return application to:
National Aerospace NDT Board
C/- The Secretary
Colin Hockings
Quality Manager
SAB2/8
Qantas Airways
Mascot 2020
Email: chockings@qantas.com.au