



ANNEX TO PRINCIPLE (DEL.08)

**CAR 42ZC(6) - Authorising
persons to carry out non-
destructive testing
maintenance**

December 2024



Acknowledgement of Country

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1. CAR 42ZC(6) - Authorising persons to carry out non-destructive testing maintenance

1.1 Purpose

This annex describes the specific scope of the CAR provision and supporting appointment criteria (qualifications, knowledge and experience) to appoint an applicant as an external delegate to authorise another person to carry out non-destructive testing (NDT) on an Australian aircraft under the *Civil Aviation Regulations 1988 (CAR)*.

Note: Annex W is an annex to [Principle \(DEL.08\) Managing airworthiness-related external delegates and authorised persons](#), and is supported by Worksheet (DEL.08) Annex W – CAR 42ZC(6) - Authorising persons to carry out NDT maintenance.

1.2 Scope

A person may apply to be delegated the power to authorise a person where the delegate and person being authorised are employed by an approved maintenance organisation.

The delegate will only authorise the carrying out of NDT.

1.3 Qualifications

No professional or technical qualifications are required for this delegation. However, the applicant must be an employee of the maintenance organisation approved under regulation 30 of CAR to conduct the maintenance on aircraft, aircraft components and/or aircraft material.

1.4 Knowledge

The applicant will be asked to demonstrate at interview:

- a sound knowledge regarding the application of the CASRs, CARs, relevant advisory circulars (AC), CASA policies and procedures and
- a working knowledge of [CAAP 30-4 – Certificate of approval maintenance organisations](#) (including Appendix H) and
- administrative knowledge and experience commensurate with that required for issuing an authorisation and
- a sound knowledge of the appropriate conditions that may be set in the interests of safety and
- an understanding of the conditions under which an authorisation may be suspended or cancelled.

1.5 Competence

The applicant will be asked to demonstrate competence in:

- their ability to find and interpret information in the Australian civil aviation legislation related to the approval sought
- the application of policies, methodologies and processes described in the approved maintenance organisations (AMO's) written procedures

- their ability to demonstrate a detailed understanding of the requirements of the AMO's system of certification.

Note: An interview of the applicant is required to ensure that the applicant can demonstrate they meet the criteria.

Evidence of equivalent aviation experience may be considered and will be subject to review by CASA on a case-by-case basis.

1.6 Experience

Each applicant should submit, attached to their application, a resume setting out details of their experience which qualifies them to issue the authorisation for which the delegation is sought.

1.7 Procedures manual - Specific criteria

In addition to the criteria listed at Appendix A in [Principle \(DEL.08\) Managing airworthiness-related external delegates and authorised persons](#), the applicant will be required to include the following in their procedures manual.

1.7.1 Reporting

Details of a register to record the following information about each approval issued, stating:

- the name of each person authorised to carry out maintenance, and in relation to each person
 - their ARN
 - a description of the maintenance authorised
 - the date of issue, and date of expiry, of each authorisation.

1.7.2 Nomination

- Description of the nomination process (to be in writing)
- Prerequisites to be met by the nominee
- Acceptance/Rejection of the nominee

1.7.3 Assessment

- Checklists setting out what must be checked during assessment
- Compilation of work/assessment package
- Assessment of candidate to the requirements of AS 3669
- Recommendation from NDT controller

1.7.4 Authorisations

- Completing assessment documentation
- Method of authorisation detailed
- Procedures for 'authorising' the candidate: (i.e. who must sign what and when etc.).

1.7.5 Responsible level 3

Check of CAR 30 organisations' NDT procedures (per CAAP 30-4)

- Qualifications of the COA's responsible NDT level 3

- Appointing the responsible NDT level 3
- Responsibilities of the NDT level 3 (CAAP 30-4 paragraph 5.2).

1.8 Surveillance of IODs

1.8.1 Condition – Individual conditions, scope and limitations

Each Instrument of Appointment contains conditions and limitations specific to the individual. Common to these conditions are:

- The scope of the appointment
- Delegation is limited to a nominated employer
- The nominated employer must hold the relevant approval
- Requirement to comply with an approved procedures manual
- Limited to authorising persons recommended for the task by the responsible NDT level 3 person

For Surveillance activities, these areas may be validated by:

- Validating persons that have been authorised are limited to the scope of work listed in the instrument
- Validating the company holds a COA authorising the maintenance
- Sampling authorisations to verify the process undertaken to authorise company personnel for NDT includes:
 - The nominee was recommended by a responsible NDT level 3
 - The nominee completed a training program checked by the responsible NDT level 3 that would enable the person to perform the specified test, being at least to an NDT level 1 as described in the Australia Standard AS 3669
 - The nominee has been authorised in writing by the responsible NDT level 3 as being competent to carry out the tests
 - The nominee has passed the relevant annual visual acuity test
- Sampling authorisations to validate they have been issued in accordance with the approved
- Reviewing the DMNS and authorisation holders register to ensure tasks are forwarded to CASA within specified timeframes

Note: CASA is moving toward standardising instrument conditions where possible. Older instruments that do not contain the above conditions may be referred to the delegate management section for consideration.

1.8.2 Condition - Maintaining a register

The delegate must maintain a register containing the following information:

- The name of the person authorised
- Their ARN
- A description of the maintenance authorised
- The date of each authorisation

During surveillance, the register is validated by reviewing the DMNS records against the register held by the authorisation holder.

1.8.3 Condition - Maintaining records

The delegate must maintain copies of all documents associated with the exercise of power for at least 5 years after the date of issue. The inspector may review the following documents to determine whether the records are adequately maintained. Storage conditions and the content maintained should be accessible on site to the inspector. This can be paper based or electronic, however should be consistent with the authorisation holders procedures. If electronic (soft copy) then suitable back up files should be maintained.

1.8.4 Condition - Notification to CASA of intent to exercise powers

On engagement by a client, and prior to exercising their powers, the delegate must notify CASA through the Delegate Management Notification System. Compliance with this conditions may be validated by reviewing records within the evidence package to establish a reference point.

1.8.5 Condition - Notification of outcomes to CASA

The delegate must record the details of the outcome to CASA into the DMNS within 14 days after a power is exercised. Compliance with this condition may be verified by comparing the DMNS records task completed date against the date identified on the certificate issued.

1.8.6 Condition - Availability of records

It is a condition of an authorisation that a delegate must make their register and all documents available to a CASA inspector for inspection. Surveillance should validate that the register contains all the required documentation.

1.8.7 Relating a regulatory breach to a delegation

If a breach of a condition is found during a surveillance event, the inspector is to record the deficiency against the relevant condition and use the relate function in EAP to relate the breach to the regulation CAR 42ZC(6). This will enable reporting against that delegation.

1.9 Revision history

Table 1. Revision history table

Version No.	Date	Parts / Sections	Details
1.1	December 2024	1.8	Add Surveillance section
1.0	September 2024	All	First issue