

Australian Standard™

**Non-destructive testing—Qualification
and registration of personnel—
Aerospace**

This Australian Standard was prepared by Committee MT-007, Non-destructive Testing of Metals and Materials. It was approved on behalf of the Council of Standards Australia on 4 May 2004 and published on 9 June 2004.

The following are represented on Committee MT-007:

Australian Railways Association
Australasian Aerospace Non-destructive Testing Committee
Australian Industry Group
Australian Institute for Non-Destructive Testing
ANSTO
Australian Pipeline Association
Bureau of Steel Manufacturers of Australia
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This Standard was issued in draft form for comment as DR 03554.

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**Non-destructive testing—Qualification
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Aerospace**

Originated as AS 3699—1989.
Previous edition AS 3669—2001.
Third edition 2004.

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Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 6044 9

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MT-007, Non-destructive Testing of Metals and Materials, at the request of the Australian Aerospace Non-Destructive Testing Committee (AANDTC). It supersedes AS 3669—2001.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify the requirements for the qualification and registration of personnel in the aerospace industry.

The objective of this revision is to revise the requirements of the Standard so that they are equivalent to ISO and other International Standards.

During the preparation of this Standard cognisance was taken of the following document issued by the International Organization for Standardization:

ISO DIS

9712.2 Non-destructive testing—Qualification and certification of personnel

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

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STANDARDS AUSTRALIA

Australian Standard

Non-destructive testing—Qualification and registration of personnel— Aerospace

1 SCOPE

This Standard establishes the minimum requirements for the training, examination, qualification, and registration of non-destructive testing personnel employed in the Australian aerospace industry. This document applies to the qualification of personnel who perform eddy current (ET), penetrant (PT), magnetic particle (MT), radiographic (RT) and ultrasonic (UT) non-destructive testing (NDT) methods.

The system described in this Standard may also apply to visual inspection (VT), leak testing (LT), infrared thermographic testing (TT), acoustic emission testing (AT) and other NDT methods where certification programmes exist.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

3998* Non-destructive testing—Qualification and certification of personnel

3 DEFINITIONS

For the purpose of this Standard, the definitions below apply.

3.1 Australian Aerospace Non-destructive Testing Committee (AANDTC)

A committee which considers and makes recommendations on all aspects that affect the practice of NDT in the Australian aerospace industry. It liaises with the AINDT Federal Council and nominates, from the AANDTC Personnel Subcommittee, a representative to the AINDT Certification Board.

3.2 AANDTC Personnel Subcommittee

It reviews the qualifications and experience of applicants for registration as a level 3 person.

3.3 Australian Institute for Non-Destructive Testing (AINDT)

A non-profit-making incorporated body comprising individuals and organizations involved in the science and practice of non-destructive testing. It includes organizations, involved in the fabrication, inspection, quality assurance and use of manufactured products, which employ non-destructive test methods as a means of determining quality.

3.4 AINDT Certification Board

A committee that administers the national qualification and certification scheme for NDT personnel as required by AS 3998 and ISO 9712.

3.5 AINDT examination

An examination conducted by the AINDT Certification Board, or by an Authorized Qualifying Body (AQB) approved by the AINDT Certification Board.

* AS 3998 is an identical adoption of ISO 9712.