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Non-destructive testing — Qualification of personnel for limited application of non-destructive testing

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The following are represented on Committee MT-007:

Australasian Thermographers Association
Australian Institute for Non-Destructive Testing
Australian Nuclear Science and Technology Organisation
Austroads
Engineers Australia
Institute of Electrical Inspectors
National Aerospace Non-Destructive Testing Board of Australia
Weld Australia

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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee MT-007, Non-Destructive Testing of Metals and Materials.

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 establish a system for the qualification of personnel who perform NDT applications of a limited, repetitive or automated nature, such as —

(a) eddy current and electromagnetic sorting of materials;

(b) eddy current and electromagnetic testing of tubular products during manufacture;

(c) normal beam ultrasonic testing of plate materials during manufacture; and

(d) ultrasonic thickness testing.

The above examples are not intended to restrict the range of qualifications which could be covered by this Standard.

This Standard therefore does not provide for magnetic particle testing (MT) or liquid penetrant testing (PT).

NOTE The arrangements described in AS ISO 9712 provide sufficient flexibility to allow limited applications of these methods.

When the need for qualified non-destructive testing (NDT) personnel is defined in product standards, regulations, codes or specifications, and the nature of the testing to be carried out is limited in scope or automated such that the qualification requirements specified in AS ISO 9712 are considered inappropriate or excessive, it may be satisfied by qualification in accordance with this Standard.

This Standard is not intended to supplant the qualification and certification requirements detailed in sector-specific standards.

The requirements detailed in this Standard apply only to NDT personnel qualified for specific applications, and no direct attempt should be made to equate this to the NDT levels defined in AS ISO 9712.

This Standard is identical with, and has been reproduced from, ISO 20807:2004, *Non-destructive testing — Qualification of personnel for limited application of non-destructive testing*.

As this document has been reproduced from an International Standard, the following applies:

(i) In the source text “this International Standard” should read “this Australian Standard”.

(ii) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

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