

AS/NZS 2980:2007

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Australian/New Zealand Standard™

## **Qualification of welders for fusion welding of steels**



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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WD-003, Welding of Structures. It was approved on behalf of the Council of Standards Australia on 19 February 2007 and on behalf of the Council of Standards New Zealand on 16 February 2007.  
This Standard was published on 2 May 2007.

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The following are represented on Committee WD-003:

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Australian Industry Group  
Bureau of Steel Manufacturers of Australia  
Engineers Australia  
New Zealand Heavy Engineering Research Association  
New Zealand Non-Destructive Testing Association  
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Originated as AS 2980—1987.  
Second edition 2004.  
Revised and redesignated AS/NZS 2980:2007.

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Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 8178 0

## PREFACE

This Standard was prepared by the Australia/New Zealand Committee WD-003, Welding of Structures, to supersede AS 2980—2004.

Consistent with the 2004 edition of AS 2980, this edition continues to give cognizance to the ISO welder qualifications Standard for steels ISO 9606-1:1994, *Approval testing of Welders—Fusion Welding, Part 1: Steels*, by adopting largely its principles and methodologies; however, due to incompatibilities between the European-based approach of the ISO Standard and the North American basis for many of the Australian and New Zealand welding Standards, it could not be adopted in its entirety with the methods of testing and criteria of acceptance continuing to be based on current Australian and New Zealand Standards.

Changes made to this edition were primarily to accommodate New Zealand specific requirements to enable jointing to take place, and at the same time opportunity was taken to clarify acceptance criteria and correct a number of typographic errors. The differences with the 2004 edition of AS 2980 are as follows:

- (a) Clarification of the Scope: Clauses 1.1.
- (b) Jointing requirements: Clauses 1.4.2, 1.6, 3.3, 3.4, and Appendix F.
- (c) Clarification of requirements for multi-process joints: Clause 2.2 and Table 2.2.
- (d) Amendments to Clause 2.6 and Tables 2.6(A) and 2.6(B) to include recent changes to welding consumable classification Standards.
- (e) Clarifying requirements for welders qualifying for multiple welding positions (Clause 2.8) and test requirements (Clause 3.3).
- (f) Clarification of acceptance criteria: Clauses 4.1, 4.2, 4.3, and Table 4.3.5.3.
- (g) Correction of typographical errors: Clauses 3.5.2, 4.3.5.2, and Table 4.3.1.
- (h) Minor amendments to Clauses 5.1.2, 5.2, Paragraph E2.10, and Tables 2.6A and B2.

Readers should note that whilst this Standard provides the welder with a broad range of approvals, application Standards may offer the welder a limited approval option, which in some cases may be of some economic benefit to the fabricator.

As drawings in this Standard are complete only to the extent necessary for illustration, reference is to be made to the requirements specified in the text.

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 notes to tables and figures are deemed to be requirements of this Standard.

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