

Australian Standard™

**Certification of welding supervisors—
Structural steel welding**

This Australian Standard was prepared by Committee WD-003, Welding of Structures. It was approved on behalf of the Council of Standards Australia on 11 December 2003 and published on 18 February 2004.

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**Certification of welding supervisors—
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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee WD-003, Welding of Structures, to supersede AS 2214—1994. 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 pre-examination qualifications and scope of examination required for granting of certificates to welding supervisors engaged in the supervision of welders of steel structures.

This edition introduces the following changes:

- (a) The term ‘Examining Authority’ has been replaced by the introduction of specific requirements for an ‘Examining Body’. This provides, in Clause 1.6, for the new option for complying bodies to examine and certificate as an alternative to the Welding Technology Institute of Australia
- (b) Editorial changes, including the following:
 - (i) Clarification of the meanings of several clauses.
 - (ii) Update of the list of Standards and the list of referenced documents.
 - (iii) Alignment with current Standards Australia style.
- (c) The syllabi have been expanded to account for a clearer content, learning outcomes and assessment.

It is not intended that the publication of this edition will invalidate certificates that were issued in accordance with previous editions of this Standard.

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.

Notes expressed in mandatory terms in the notes to tables and within tables are deemed to be requirements of this Standard.

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FOREWORD

The Standard refers to the certification of welding supervisors where the requirements of industry demand a prescribed degree of quality in welding to meet the needs of safety and performance.

The preparation of this edition was undertaken to bring the Standard into line with the latest edition of AS 1796, *Certification of welders and welding supervisors*, give recognition to competency-based education and training, and, take cognizance of relevant ISO Standards.

This Standard is directed towards the requirements of the structural steel welding industry for the certification of welding supervisors. It states the requirements that will be acceptable throughout Australia for the qualifying of personnel who are required to supervise the welding of steel structures, but recognizes that there are other industries and applications where quality in welding is also of considerable importance. In these cases, certification in accordance with this Standard may be useful or desirable, particularly where an application Standard does not specify welding supervisor qualifications. Such supervision has as its objective the need to ensure that welding is performed according to the relevant Standards and other specified requirements, and is performed with safety.

The requirements of this Standard apply specifically to structural applications, but cognizance has been taken of the requirements specified in AS 1796, *Certification of welders and welding supervisors* for the certification of welding supervisors with a view to the selection of a syllabus that will enable educational authorities to provide adequate facilities for the training of supervisors for either application.

The possession of a welding supervisor's certificate indicates that the holder has a high degree of knowledge on the theory and practice of welding in accordance with the appropriate requirements of an application Standard.

STANDARDS AUSTRALIA**Australian Standard****Certification of welding supervisors—Structural steel welding****SECTION 1 SCOPE AND GENERAL****1.1 SCOPE**

This Standard sets out the requirements for the granting of a certificate to a person engaged in the supervision of welding and allied processes, including gouging and flame cutting, intended to form part of steel structures constructed in accordance with AS/NZS 1554, to designs in accordance with AS 3990, AS 4100 or AS/NZS 4600 and, where appropriate, to form part of other welded structures.

1.2 APPLICATION

Certification shall be granted to welding supervisors who comply with the requirements of Section 2.

1.3 TITLE AND TYPE OF CERTIFICATE

The title of the certificate shall be Welding supervisor—Structural steel.

1.4 REFERENCED DOCUMENTS

A list of the documents referred to in this Standard is given in Appendix A.

1.5 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 2812 and those below apply.

1.5.1 Approved

Approved by the examining body.

1.5.2 Shall

Indicates that a statement is mandatory.

1.5.3 Should

Indicates a recommendation.

1.6 EXAMINING BODY**1.6.1 General**

The examining body shall be an organization or institution with qualified personnel and the physical resources to evaluate candidates' applications, carry out theory examinations, issue and record certificates, maintain secure documentation, be accountable for its actions and accept full responsibility for all its actions.

The examining body shall be either—

- (a) a non-profit organization capable of meeting the requirements of this Standard, and recognized by the welding community as a representative industry body (e.g., the Welding Technology Institute of Australia); or