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*624.014.2*

# Australian Standard 2214—1978

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## SAA STRUCTURAL STEEL WELDING SUPERVISORS CERTIFICATION CODE

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**STANDARDS ASSOCIATION OF AUSTRALIA**  
*Incorporated by Royal Charter*



THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Aluminium Development Council  
Association of Consulting Engineers Australia  
Australian Chamber of Commerce  
Australian Institute of Steel Construction  
Australian Welding Institute  
Australian Welding Research Association  
Bureau of Steel Manufacturers of Australia  
Confederation of Australian Industry  
Department of Construction  
Department of Defence (Navy)  
Electricity Supply Association of Australia  
Institution of Engineers, Australia  
Metal Trades Industry Association of Australia  
National Association of Australian State Road Authorities  
Railways of Australia Committee  
Snowy Mountains Engineering Corporation  
Universities  
Water and Sewerage Authorities

AS 2214  
Examining body under this standard  
is Australian Welding Institute  
(2/2/85)

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To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements, addressed to the head office of the Association, are welcomed.

**AUSTRALIAN STANDARD**

**RULES FOR  
THE CERTIFICATION OF  
WELDING SUPERVISORS  
IN STRUCTURAL STEEL  
WELDING**

**known as the  
SAA STRUCTURAL STEEL  
WELDING SUPERVISORS  
CERTIFICATION CODE**

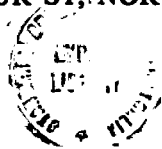
**AS 2214—1978**

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## PREFACE

This standard was prepared by the Association's Committee on Welding of Structures as a revision and metrication of AS CA60—1970, SAA Structural Welding Supervisor's Certification Code, which it accordingly supersedes. The changes include minor modifications to the syllabus as a further aid to the educational authorities. The word 'steel' is now incorporated in the title of the standard.

The standard is directed towards the requirements of the structural steel welding industry for the certification of welding supervisors. It states the requirements which will be acceptable throughout Australia for the qualifying of personnel at approximately technician level who are required to supervise the welding of steel structures. Such supervision has as its objective the need to ensure that welding is performed according to the relevant codes and other specified requirements and is performed with safety.

The committee appreciated that the structural welding industry provides welding supervision in a variety of ways and that personnel engaged at the level envisaged by this standard may have additional duties such as are carried out by welding foremen.

Application codes such as AS 1250, SAA Steel Structures Code, and AS 1554, SAA Code for Welding in Building, require supervision by a competent person, therefore the supervisor should be certificated in accordance with this standard.

The requirements of this standard apply specifically to structural applications, but cognizance has been taken of the requirements specified in AS 1796, SAA Welding Certification Code, for the certification of welding supervisors in boiler welding with a view to the selection of a syllabus which will enable educational authorities to provide adequate facilities for the training of supervisors for either application.

The possession of a Welding Supervisor's Certificate should indicate the attainment of a high degree of knowledge of the theory of welding, the ability to use and apply relevant codes, a sound practical knowledge of welding and the ability and capacity to direct and supervise welding work in accordance with the application codes.

This standard may require reference to a wide range of Australian standards. Details of these are given in Appendix B.

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# STANDARDS ASSOCIATION OF AUSTRALIA

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## Australian Standard

### RULES FOR THE CERTIFICATION OF WELDING SUPERVISORS IN STRUCTURAL STEEL WELDING

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**1 SCOPE.** These Rules specify the pre-examination qualifications and the examination required for the granting of certificates for welding supervisors engaged in the supervision of arc welding and associated processes, including gouging and flame cutting, intended to form part of steel structures constructed in accordance with AS 1554, SAA Code for Welding in Building, to designs in accordance with AS 1250, SAA Steel Structures Code, and where appropriate, to form part of other welded structures.

**2 BASIS OF CERTIFICATION.** The certification of a welding supervisor shall be based upon the candidate having the appropriate pre-examination qualifications prescribed in Rule 4, and passing the examination prescribed in Rule 5.

**NOTE:** A person with knowledge and experience acceptable to the Examining Authority may, without examination, be issued with a Supervisor's Certificate at the discretion of the Examining Authority.

**3 EXAMINING AUTHORITY.** The Examining Authority shall be responsible for the conduct of the examination including supervision and assessment of the written test (see Appendix A).

**4 PRE-EXAMINATION QUALIFICATIONS.** Before undertaking the examination, each candidate shall submit to the Examining Authority satisfactory documentary evidence from within the industry that he is suitable for supervisory duties and that he has at least one of the following qualifications:

- (a) At least 3 years' approved experience as a welder in the structural steel industry.
- (b) At least 3 years' experience in the supervision or inspection of welding acceptable to the Examining Authority.
- (c) A certificate in engineering or metallurgy from a technical college or institute acceptable to the Examining Authority and at least 3 years' approved experience related to the practical application of welding.
- (d) Knowledge and experience considered by the Examining Authority to be acceptable.