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# Australian Standard

## 1796—1983

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### SAA WELDER CERTIFICATION CODE



**STANDARDS ASSOCIATION OF AUSTRALIA**

*Incorporated by Royal Charter*

This Australian standard was prepared by Committee ME/1, Boilers and Unfired Pressure Vessels. It was approved on behalf of the Council of the Standards Association of Australia on 18 January 1983, and published on 5 April 1983.

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Australian Institute of Energy  
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*This standard was issued in draft form for comment as DR 81038.*

AS 1796, Amendment 1/1983-12-02

**STANDARDS ASSOCIATION OF AUSTRALIA**  
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**AMENDMENT 1**

to

**AS 1796—1983**

**CERTIFICATION OF WELDERS AND WELDING SUPERVISORS**

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**CORRECTION**

**SUMMARY:** This amendment applies to Table 4.5.

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**AUSTRALIAN STANDARD**

AS 1796

Examining bodies under this standard are jointly Dept. Industrial Relations and Australian Welding Institute

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**CERTIFICATION OF  
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known as the

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## PREFACE

This edition of this standard was prepared by the Association's Committee on Boilers and Unfired Pressure Vessels to supersede AS 1796—1975.

This edition simplifies the pre-examination requirements for a candidate, includes an illustrated table to assist in the visual examination, and extends the number of certificates a welder may hold without further examinations or tests. The opportunity has been taken to clarify the requirements and also to change the format to facilitate information retrieval.

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.

It is not intended that the publication of this edition will invalidate certificates that were issued in respect of the 1975 edition of this standard.

Standards and publications that may be of assistance to candidates using this standard are listed in an appendix.

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## STANDARDS ASSOCIATION OF AUSTRALIA

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**Australian Standard**  
**for**  
**CERTIFICATION OF WELDERS AND**  
**WELDING SUPERVISORS**

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## FOREWORD

The standard refers to the certification of welders and welding supervisors where the requirements of a Statutory Authority and industry demand a prescribed degree of quality assurance in welding to meet the special needs of safety, performance and economy.

The standard is particularly related to the boiler and pressure vessel industry, 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 better or desirable, particularly where an application standard does not specify welder qualification.

*Certification in welding is related primarily to basic welding techniques and processes and not to the parent metal of the joint.* The requirements for welder qualification are specified in the appropriate application standard.

It will be noted that all the tests are made on carbon steel test pieces, but provision has been made for certification using other materials where these are readily available.

The form of the practical tests is suitable not only for the convenience of training establishments in regard to the supply of material, but also because the form adopted allows welders to demonstrate the attainment of the prescribed standard of practical welding.

It is expected that candidates will become familiar during training with the techniques required for satisfactory deposition of weld metal when using the different types of consumables referred to in this standard.

Provision is made for supplementary theory examinations to minimize the welder's task in examinations for additional certificates.

The possession of a welder's certificate should indicate that the holder has a basic knowledge of the theory of welding and has demonstrated he has the ability required to make a weld using the appropriate method.

The possession of a welding supervisor's certificate should indicate that the holder has a high degree of knowledge on the theory and practice of welding and also has the ability and capacity to direct and supervise welding in accordance with the appropriate requirements of an application standard.

Where required by the context of this standard, the masculine gender shall be treated as the feminine gender as appropriate.