

Australian/New Zealand Standard™

Welding coordination — Tasks and responsibilities



AS/NZS ISO 14731:2020

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- Australasian Corrosion Association
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Steel Institute
- Australian Welding Institute
- Austrroads
- Bureau of Steel Manufacturers of Australia
- Energy Networks Australia
- New Zealand Heavy Engineering Research Association
- New Zealand Non-Destructive Testing Association
- Steel Reinforcement Institute of Australia
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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WD-003, Welding of Structures.

The objective of this Standard is to identify the essential welding quality related tasks and responsibilities included in welding coordination.

This Standard is identical with, and has been reproduced from, ISO 14731:2019, *Welding coordination — Tasks and responsibilities*.

As this document has been reproduced from an International Standard, 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.

Contents

Preface	ii
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Tasks and responsibilities	2
4.1 Welding quality related tasks	2
4.2 Specification of tasks and responsibilities	2
5 Job description	3
5.1 General	3
5.2 Tasks	3
5.3 Responsibilities and extent of authorization	3
6 Technical knowledge and competence	4
6.1 General	4
6.2 Competency levels for welding coordination personnel	4
6.2.1 General	4
6.2.2 Comprehensive level	4
6.2.3 Specific level	4
6.2.4 Basic level	4
Annex A (informative) Assessment of welding coordination personnel	5
Annex B (normative) Essential welding and related tasks to be considered when appropriate	6
Bibliography	10

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 11, *Qualification requirements for welding and allied processes personnel*.

Any feedback, question or request for official interpretation related to any aspect of this document should be directed to the Secretariat of ISO/TC 44/SC 11 via your national standards body. A complete listing of these bodies can be found at www.iso.org/members.html. Official interpretations, where they exist, are available from this page: <https://committee.iso.org/sites/tc44/home/interpretation.html>.

This third edition cancels and replaces the second edition (ISO 14731:2006), which has been technically revised.

The main changes compared to the previous edition are as follows:

- informative reference to IIW has been removed due to anticompetition rules;
- [Annex A](#) now addresses the assessment of welding coordination personnel;
- the term responsible welding coordinator, RWC, has been deleted;
- the concept of competence and levels (see [Clause 6](#)) has been introduced;
- new subclause [B.20](#) has been added to address Health and Safety and Environment.

Introduction

Validation and verification of welding requires competent personnel to perform welding coordination to establish confidence in weld quality and to ensure reliable performance in service.

The tasks and responsibilities of welding coordination personnel involved in welding-related activities (e.g. planning, executing, supervising and inspection) need to be clearly defined.

NOTES

Australian/New Zealand Standard

Welding coordination — Tasks and responsibilities

1 Scope

This document identifies the essential welding quality related tasks and responsibilities included in welding coordination.

The principle of an assessment according to this document is that welding coordination personnel need to be competent in the welding-related tasks allocated to them.

It is presumed that welding coordination personnel have the necessary education, qualifications and experience and are appointed by the manufacturer.

Regulatory documents, application standards and contracts can give specific requirements for welding coordination personnel. Otherwise, it is the responsibility of the manufacturer to determine the requirements to be in compliance with this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3834 (all parts), *Quality requirements for fusion welding of metallic materials*

ISO/TR 25901-1, *Welding and allied processes — Vocabulary — Part 1: General terms*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/TR 25901-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <http://www.electropedia.org/>

3.1

manufacturer

entity carrying out welding and related activities under the same technical and quality management

Note 1 to entry: Welding and related activities may be carried out in a workshop or onsite or both, but the manufacturer remains responsible for the welding production.

3.2

welding coordination

coordination of manufacturing operations for all welding and welding-related activities

Note 1 to entry: Welding coordination can be assigned to an individual or a team.

3.3

welding coordination personnel

welding coordinator

person or group of people performing defined welding coordination tasks

Note 1 to entry: Different personnel may be appointed by the *manufacturer* (3.1) for different welding and related tasks.