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BSI Standards Publication

Welding coordination - Tasks and responsibilities

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National foreword

This British Standard is the UK implementation of EN ISO 14731:2019. It is identical to ISO 14731:2019. It supersedes BS EN ISO 14731:2006, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee WEE/36, Qualification of welding personnel and welding procedures.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Welding coordination - Tasks and responsibilities (ISO 14731:2019)

Coordination en soudage - Tâches et
responsabilités (ISO 14731:2019)

Schweißaufsicht - Aufgaben und
Verantwortung (ISO 14731:2019)

This European Standard was approved by CEN on 28 February 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN ISO 14731:2019) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding and allied processes" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 14731:2006.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 14731:2019 has been approved by CEN as EN ISO 14731:2019 without any modification.

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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.

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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.

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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.