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Specification and qualification of welding procedures for metallic materials - Qualification based on previous welding experience (ISO 15611:2024)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/24

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EUROPEAN STANDARD

EN ISO 15611

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Supersedes EN ISO 15611:2003

English Version

Specification and qualification of welding procedures for metallic materials - Qualification based on previous welding experience (ISO 15611:2024)

Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques - Qualification sur la base de l'expérience en soudage (ISO 15611:2024)

Anforderung und Qualifizierung von Schweißverfahren für metallische Werkstoffe - Qualifizierung aufgrund von vorliegender schweißtechnischer Erfahrung (ISO 15611:2024)

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EN ISO 15611:2024 (E)

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 15611:2024) 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of an identical text or by endorsement, at the latest by July 2024, and conflicting national standards shall be withdrawn at the latest by July 2024.

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.

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Endorsement notice

The text of ISO 15611:2024 has been approved by CEN as EN ISO 15611:2024 without any modification.



International Standard

ISO 15611

Specification and qualification of welding procedures for metallic materials — Qualification based on previous welding experience

*Descriptif et qualification d'un mode opératoire de soudage
pour les matériaux métalliques — Qualification sur la base de
l'expérience en soudage*

**Second edition
2024-01**

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ISO 15611:2024(en)**Contents**

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Preliminary welding procedure specifications (pWPS)	1
5 Qualification of the welding procedure	2
6 Existing previous welding experience	2
7 Range of qualification	2
8 Welding procedure qualification record (WPQR)	2

ISO 15611:2024(en)

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).

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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 10, *Quality management in the field of welding*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 121, *Welding and allied processes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 15611:2003), which has been technically revised.

The main changes are as follows:

- normative references have been updated;
- [Clause 5](#) and [Clause 7](#) have been revised;
- [Clause 8](#) has been deleted;
- the bibliography has been deleted.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html. Official interpretations of ISO/TC 44 documents, where they exist, are available from this page: <https://committee.iso.org/sites/tc44/home/interpretation.html>.

ISO 15611:2024(en)**Introduction**

In ISO 15607, one of the methods of welding procedure qualification is by relating to previous welding experience. Many manufacturers have considerable experience in fabricating welded structures. Welded components and structures may have been supplied to end users/clients for a variety of applications and have performed satisfactorily over a period of time in service. If this experience is traceable and documented, this document provides a route to welding procedure qualification based on this experience.

This document is a part of a series of standards, details of this series are given in ISO 15607:2019, Annex A.

Specification and qualification of welding procedures for metallic materials — Qualification based on previous welding experience

1 Scope

This document gives the necessary information to explain the requirements referenced in ISO 15607 about the qualification of welding procedures based on previous welding experience.

In addition, it gives the range of qualification.

The use of this document can be restricted by an application standard or a specification.

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 14555, *Welding — Arc stud welding of metallic materials*

ISO 15607, *Specification and qualification of welding procedures for metallic materials — General rules*

ISO 15609 (all parts), *Specification and qualification of welding procedures for metallic materials — Welding procedure specification*

ISO 15614 (all parts), *Specification and qualification of welding procedures for metallic materials — Welding procedure test*

ISO 15620, *Welding — Friction welding of metallic materials*

ISO 18785-4, *Friction stir spot welding — Aluminium — Part 4: Specification and qualification of welding procedures*

ISO 25239-4, *Friction stir welding — Aluminium — Part 4: Specification and qualification of welding procedures*

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