



**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**

International Standards  
(www.iso.org/standards.iteh.ai)  
Document Preview

[ISO 15611:2024](https://standards.iteh.ai/catalog/standards/iso/fb72ee88-d74c-4c4e-912e-bb9a31eb2a53/iso-15611-2024)

<https://standards.iteh.ai/catalog/standards/iso/fb72ee88-d74c-4c4e-912e-bb9a31eb2a53/iso-15611-2024>

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

ISO 15611:2024

<https://standards.iteh.ai/catalog/standards/iso/fb72ee88-d74c-4c4c-912e-bb9a31eb2a53/iso-15611-2024>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## Contents

Page

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

**iTeh Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

[ISO 15611:2024](https://standards.iteh.ai/catalog/standards/iso/fb72ee88-d74c-4c4c-912e-bb9a31eb2a53/iso-15611-2024)

<https://standards.iteh.ai/catalog/standards/iso/fb72ee88-d74c-4c4c-912e-bb9a31eb2a53/iso-15611-2024>

## 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](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

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](http://www.iso.org/iso/foreword.html).

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](http://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>.

## 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.

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

[ISO 15611:2024](https://standards.iteh.ai/catalog/standards/iso/fb72ee88-d74c-4c4c-912e-bb9a31eb2a53/iso-15611-2024)

<https://standards.iteh.ai/catalog/standards/iso/fb72ee88-d74c-4c4c-912e-bb9a31eb2a53/iso-15611-2024>

