



BSI Standards Publication

## Specification and qualification of welding procedures for metallic materials — Welding procedure test

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Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys

## National foreword

This British Standard is the UK implementation of EN ISO 15614-1:2017+A1:2019. It is identical to ISO 15614-1:2017, incorporating amendment 1:2019. It supersedes BS EN ISO 15614-1:2017, which is withdrawn.

BSI, as a member of CEN, is obliged to publish EN 15614-1:2017+A1:2019 as a British Standard. However, attention is drawn to the fact that during the development of this standard, the UK committee voted against its approval.

The UK committee is concerned that the format of this standard may cause a problem when working to either of the two welding procedure test levels. Level 1 is based on the requirements of ASME BPVC Section IX, *Welding, Brazing, and Fusing Qualifications*, and Level 2, for which the extent of testing is greater, is based on the previous version of this standard; BS EN ISO 15614-1:2004+A2:2012. It is important to note that a procedure test carried out to Level 2 automatically qualifies for Level 1 requirements, but not vice-versa. Furthermore, when no level is specified in a contract or application standard, all the requirements of Level 2 should be applied.

Users should be aware that, as the requirements of the two levels are often specified in the same clause, vigilance is required to identify the testing requirements and the range of qualification for the particular welding procedure test level.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment 1 is indicated by A1 A1.

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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**Compliance with a British Standard cannot confer immunity from legal obligations.**

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### Amendments/corrigenda issued since publication

Date	Text affected
31 July 2017	Missing Annexes ZA and ZB added

Date	Text affected
31 May 2018	Implementation of ISO corrected text 01 October 2017: Table 5 and Figure 6 corrected
31 August 2019	Implementation of ISO amendment 1:2019 with CENELEC endorsement A1:2019



EUROPEAN STANDARD  
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**EN ISO 15614-1:2017+A1**

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English Version

**Specification and qualification of welding procedures for  
metallic materials - Welding procedure test - Part 1: Arc  
and gas welding of steels and arc welding of nickel and  
nickel alloys (ISO 15614-1:2017)**

Descriptif et qualification d'un mode opératoire de  
soudage pour les matériaux métalliques - Épreuve de  
qualification d'un mode opératoire de soudage - Partie  
1: Soudage à l'arc et aux gaz des aciers et soudage à  
l'arc du nickel et des alliages de nickel (ISO 15614-  
1:2017)

Anforderung und Qualifizierung von Schweißverfahren  
für metallische Werkstoffe -  
Schweißverfahrensprüfung - Teil 1: Lichtbogen- und  
Gasschweißen von Stählen und Lichtbogenschweißen  
von Nickel und Nickellegierungen (ISO 15614-1:2017)

This European Standard was approved by CEN on 17 April 2017.

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  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## European foreword

This document (EN ISO 15614-1:2017) 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 December 2017 and conflicting national standards shall be withdrawn at the latest by December 2017.

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 15614-1:2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, B, which is an integral part of this document.

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### Endorsement notice

The text of ISO 15614-1:2017 has been approved by CEN as EN ISO 15614-1:2017 without any modification.

## Foreword to amendment A1

This document (EN ISO 15614-1:2017/A1:2019) 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 Amendment to the European Standard ISO 15614-1:2017 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2020, and conflicting national standards shall be withdrawn at the latest by February 2020.

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## Endorsement notice

The text of ISO 15614-1:2017/Amd 1:2019 has been approved by CEN as EN ISO 15614-1:2017/A1:2019 without any modification.