

**Quality requirements for welding - Resistance welding of  
metallic materials - Part 1: Comprehensive quality  
requirements (ISO 14554-1:2013)**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 14554-1:2014 sisaldab Euroopa standardi EN ISO 14554-1:2013 inglisekeelset teksti.	This Estonian standard EVS-EN ISO 14554-1:2014 consists of the English text of the European standard EN ISO 14554-1:2013.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

**Quality requirements for welding - Resistance welding of metallic materials - Part 1: Comprehensive quality requirements (ISO 14554-1:2013)**

Exigences de qualité en soudage - Soudage par résistance des matériaux métalliques - Partie 1: Exigences de qualité complète (ISO 14554-1:2013)

Schweißtechnische Qualitätsanforderungen - Widerstandsschweißen metallischer Werkstoffe - Teil 1: Umfassende Qualitätsanforderungen (ISO 14554-1:2013)

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## Foreword

This document (EN ISO 14554-1:2013) 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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

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

This document supersedes EN ISO 14554-1:2000.

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## Endorsement notice

The text of ISO 14554-1:2013 has been approved by CEN as EN ISO 14554-1:2013 without any modification.

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# Quality requirements for welding — Resistance welding of metallic materials —

## Part 1: Comprehensive quality requirements

### 1 Scope

This part of ISO 14554 specifies requirements for the demonstration of the capability of a manufacturer or a sub-contractor to produce welded constructions, fulfilling specified quality requirements, in one or more of the following:

- a contract between involved parties;
- an application standard;
- a regulatory requirement.

The requirements contained within this part of ISO 14554 can be adopted in full or can be selectively deleted by the manufacturer if not applicable to the construction concerned. They provide a flexible framework for the control of welding by providing specific requirements for:

- Case 1 — resistance welding in contracts which require the manufacturer or sub-contractor to have a quality system in accordance with ISO 9001;<sup>[4]</sup>
- Case 2 — resistance welding in contracts which require the manufacturer or sub-contractor to have a quality system other than ISO 9001;<sup>[4]</sup>
- Case 3 — resistance welding as guidance to a manufacturer or sub-contractor developing a quality system;
- Case 4 — references in application standards which use resistance welding as part of their requirements or in a contract between relevant parties, although it is more appropriate for ISO 14554-2 to be used in such cases.

This part of ISO 14554:

- is independent of the type of welded construction to be manufactured;
- defines quality requirements for welding both in production plants and on site;
- provides guidance for describing the capability of a manufacturer to produce welded constructions to meet specified requirements;
- can also be used as a basis for assessing the manufacturer in respect to his welding capability.

For general guidelines for selection and use, see ISO 3834-1, while being aware that only comprehensive and elementary quality requirements are specified for resistance welding. [Annex A](#) gives a summary comparison of specific quality requirements for resistance welding in this part of ISO 14554 and ISO 14554-2.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.