



**SLOVENSKI STANDARD**  
**SIST EN 13445-4:2014/kFprA1:2016**  
**01-maj-2016**

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**Neogrevane (nekurjene) tlačne posode - 4. del: Proizvodnja - Dopolnilo A1**

Unfired pressure vessels - Part 4: Fabrication

Unbefeuerte Druckbehälter - Teil 4: Herstellung

Réipients sous pression non soumis à la flamme - Partie 4 : Fabrication

**Ta slovenski standard je istoveten z: EN 13445-4:2014/FprA1**

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**ICS:**

23.020.32      Tlačne posode                      Pressure vessels

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**FINAL DRAFT**  
**EN 13445-4:2014**

**FprA1**

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English Version

## Unfired pressure vessels - Part 4: Fabrication

Réipients sous pression non soumis à la flamme -  
Partie 4 : Fabrication

Unbefeuerte Druckbehälter - Teil 4: Herstellung

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 54.

This draft amendment A1, if approved, will modify the European Standard EN 13445-4:2014. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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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**

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## European foreword

This document (EN 13445-4:2014/FprA1:2016) has been prepared by Technical Committee CEN/TC 54 “Unfired pressure vessels”, the secretariat of which is held by BSI.

This document is currently submitted to the Unique Acceptance Procedure.

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 2014/68/EU.

For relationship with EU Directive 2014/68/EU, see informative Annex ZA, which is an integral part of this document.

**EN 13445-4:2014/FprA1:2016 (E)****1 Modifications to Clause 2 Normative references**

Delete the whole reference to EN 287-1:2011 (including the related footnote).

Between EN ISO 9016:2012 and EN ISO 13585:2012, add the following reference:

"EN ISO 9606-1:2013, *Qualification testing of welders — Fusion welding — Part 1: Steels (ISO 9606-1:2012 including Cor 1:2012)*".

**2 Modification to 7.4, Qualification of welders and welding operators**

Replace the content of the whole subclause with the following text:

"Welders and welding operators shall be qualified to EN ISO 9606-1:2013 or EN ISO 14732:2013.

NOTE The training, supervision and control of welders and welding operators is the responsibility of the manufacturer.

An up-to-date list of welders and welding operators together with records of their qualification test shall be maintained by the manufacturer.

The confirmation of validity (every 6 months) and re-validation shall be carried out in accordance with EN ISO 9606-1:2013 or EN ISO 14732:2013.

Previous qualifications according to EN 287-1:2011 or EN 1418:1997 remain valid and may be prolonged in accordance with EN 287-1:2011 or EN 1418:1997. For welders, a new qualification test certificate may be prepared using the testing conditions shown on existing qualification test certificate but applying the ranges specified in accordance with EN ISO 9606-1:2013. The new alignment document shall indicate that re-validation is based on the requirements of EN ISO 9606-1:2013, 9.3 b).

For the application of this standard under the PED for pressure equipment of categories II, III and IV the re-validation in accordance with EN ISO 9606-1:2013, 9.3 c) of or in accordance with EN ISO 14732:2013, 5.3 c) is permitted, provided that the notified body or recognized third party organisations perform the re-validation. Verification of the quality programme in accordance with EN ISO 3834-2:2005 or EN ISO 3834-3:2005 does not require any certification.

The evidence in support of the prolongation and re-approval shall be maintained for at least 2 years.

Any welders not in the employ of the manufacturer may be used provided they are under the full technical control of the manufacturer and work to the manufacturer's requirements."

**3 Modification to the final Bibliography**

At the end of the final Bibliography, add the following new references:

"

[8] EN 287-1:2011, *Qualification test of welders — Fusion welding — Part 1: Steels*

[9] EN 1418:1997, *Welding personnel — Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials*".