



SLOVENSKI STANDARD

SIST-TP CEN/TR 13480-7:2018

01-januar-2018

Nadomešča:

SIST CEN/TR 13480-7:2002

Kovinski industrijski cevovodi - 7. del: Navodila za ugotavljanje skladnosti

Metallic industrial piping - Part 7: Guidance on the use of conformity assessment procedures

Metallische industrielle Rohrleitungen - Teil 7: Anleitung für den Gebrauch des Konformitätsbewertungsverfahrens

Tuyauteries industrielles métalliques - Partie 7 : Guide pour l'utilisation des procédures d'évaluation de la conformité

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Ta slovenski standard je istoveten z: **CEN/TR 13480-7:2017**

ICS:

23.040.10	Železne in jeklene cevi	Iron and steel pipes
77.140.75	Jeklene cevi in cevni profili za posebne namene	Steel pipes and tubes for specific use

SIST-TP CEN/TR 13480-7:2018

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TECHNICAL REPORT

CEN/TR 13480-7

RAPPORT TECHNIQUE

TECHNISCHER BERICHT

July 2017

ICS 23.040.01

Supersedes CEN/TR 13480-7:2002

English Version

Metallic industrial piping - Part 7: Guidance on the use of conformity assessment procedures

Tuyauteries industrielles métalliques - Partie 7 : Guide pour l'utilisation des procédures d'évaluation de la conformité

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This Technical Report was approved by CEN on 19 June 2017. It has been drawn up by the Technical Committee CEN/TC 267.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (CEN/TR 13480-7:2017) has been prepared by Technical Committee CEN/TC 267 “Industrial piping and pipelines”, the secretariat of which is held by AFNOR.

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 CEN/TR 13480-7:2002.

EN 13480, *Metallic industrial piping* consists of eight interdependent and not dissociable Parts which include:

- *Part 1: General*
- *Part 2: Materials*
- *Part 3: Design*
- *Part 4: Fabrication and installation*
- *Part 5: Inspection and testing*
- *Part 6: Additional requirements for buried piping*
- CEN/TR 13480-7, *Guidance on the use of conformity assessment procedures*
- *Part 8: Additional requirements for aluminium and aluminium alloy piping*

The significant technical changes between this Technical Report and the previous edition are:

- a general revision of this document to comply with PED 2014/68/UE;
- in Table A.1, inclusion of new Modules designation and addition of the Module G ;
- in sub-clause A.3, revision of the documentation ;
- in Table B.2, update of cross references for detailed requirements in EN 13480-4:2017 and EN 13480-5:2017.

NOTE These technical changes are the significant technical changes but it is not an exhaustive list of all modifications.

CEN/TR 13480-7:2017 (E)

1 Scope

This Technical Report gives guidance on the use of conformity assessment procedures for industrial piping in relation to EN 13480.

2 Normative references

Not applicable.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 responsible authority

competent organization which is independent of the manufacturer

Note 1 to entry: For application within the jurisdiction of the European Union this organization may be a Notified Body or a user inspectorate where appropriate, according to module chosen and designated by a member state. For the purpose of this standard, all these organizations have been collectively termed “responsible authorities”.

3.2 fluid

gases, liquids and vapours in pure phase as well as mixtures thereof

Note 1 to entry: A fluid may contain a suspension of solids.

4 Application of the PED

4.1 General

According to the PED, the manufacturer shall determine for each industrial piping and pipeline:

- a) the category of the industrial piping and pipeline;
- b) the procedures to be applied to assess conformity of the industrial piping and pipeline with the requirements of the PED.

4.2 Conformity assessment procedures

4.2.1 General

The manufacturer shall subject each item of equipment to a procedure to assess the conformity with the essential requirements of the PED. Annex A describes the conformity assessment requirements of the PED. It is applicable to piping systems which are to be installed in an EU Member State.

4.2.2 Choice of conformity assessment procedures

The conformity assessment procedures to be applied to an item or pressure equipment with a view to affixing the CE marking shall be determined by the category in which the equipment is classified. The procedures that are to be applied for the various categories are given in Table A.1.

The manufacturer has the option of selecting between a procedure of conformity assessment involving a certified quality assurance system (if available) and one which does not.

The manufacturer may choose to apply one of the procedures which apply to a higher category.

4.2.3 Conformity assessment procedures and the involvement of Responsible Authorities

The manufacturer is responsible for ensuring that the requirements of this Technical Report, including inspection and testing activities, are fully applied. If a CE marking is sought, it is a requirement of the PED that (in many cases) there is a supplementary involvement of a Responsible Authority (e.g. Notified Body) to ensure the requirements of the PED are met.

The kind and extent of responsible authority involvement in inspection and testing activities will depend upon the conformity assessment procedure chosen by the manufacturer. For each appropriate conformity assessment procedure the participation is indicated in Table B.1.

Annex B has been provided in order to give guidance to the manufacturer so that he may be aware of the various stages where a responsible authority may be involved. Details of the inspection and testing activities are described in subsequent subclauses, the reference of which is given in Table B.1.

5 Subcontracting

The manufacturer is responsible for the fabrication and the installation, even if this work will be subcontracted to other fabricators and/or installers.

Where the manufacturer is producing the equipment under a conformity assessment procedure requiring intervention of a responsible authority, the manufacturer shall inform the responsible authority of his intention to subcontract so that the responsible authority has the opportunity to take part in the subcontractor surveillance.

Where the manufacturer is producing the equipment under a conformity assessment procedure based on quality assurance, e.g. D, H, H1, the controls the manufacturer applies over subcontractors shall be described in his appropriate quality system.

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Annex A (informative)

Conformity of industrial piping to the essential safety requirements of Directive 2014/68/EU (Pressure equipment directive)

A.1 Introduction

This annex describes the conformity assessment requirements of Directive 2014/68/EU. It is applicable to piping systems which are to be installed in an EU Member State.

In the EU Member States, the authorized inspection bodies are identical to the notified bodies. ¹⁾

A.2 Conformity assessment procedure

Where piping is subject to the conformity assessment procedure, the manufacturer shall identify the appropriate piping category based upon the classification of the piping as defined in EN 13480-1:2017, Table 5.1-1, and subsequently shall select one of the conformity assessment modules available for that piping category in accordance with Table A.1.

NOTE The conformity assessment procedure attributed to a higher category can be applied to piping classified in a lower category.

The activities to be performed by the parties involved in each of the conformity assessment procedures during design and fabrication/installation of the piping in accordance with this European Standard are summarized in Annex B.

Table A.1 — Piping categories and conformity assessment modules

Category (PED)	Category (EN 13480-1)	Conformity assessment module considered in EN 13480	Conformity assessment module not considered in EN 13480
—	0	—	—
III	III	B (design type)+D, B (design type)+F, H	B (production type)+E, B (production type)+C2
II	II	A2, D1	E1
I	I	A	—

If the manufacturer selected a module applicable to PED Category IV, the following applies:

If module G is selected, the columns for B (design type) and F in Table B.2 shall be used.

If module H1 is selected, the columns H (without the requirements DESIGN) and B (design type) in Table B.2 shall be used.

¹⁾ For intervention of user inspectorates, see Article 16 of Directive 2014/68/EU (Pressure Equipment Directive).

A.3 Certification and CE marking

A.3.1 Declaration of conformity, CE marking

A declaration of conformity and CE marking (see EN 13480-4) shall be required if piping of Categories I, II and III is placed at a market in a country where the PED applies (see Table A.2).

A.3.2 Notified body's identification mark and certificate

Where appropriate, the notified body's identification number shall be applied adjacent to the CE marking. Under module F, on satisfactory completion of final assessment the notified body shall issue an EC certificate of conformity.

Table A.2 — Declaration of conformity of final inspection for piping (form)

DECLARATION/CERTIFICATE OF CONFORMITY FOR PIPING	
Description of piping	
Identification no./drawings no.	
manufactured by	<i>(company)</i>
for	<i>(plant/purchaser/purpose)</i>
Design conditions:	(standards.iteh.ai)
PS [bar]	
TS _{max} , TS _{min} [°C]	SIST-TP CEN/TR 13480-7:2018
category	https://standards.iteh.ai/catalog/standards/sist/eb52b8a7-580f-4eeb-b6a0-0eeb3c8f1951/sist-tp-cen-tr-13480-7-2018
conformity assessment procedure	
name, address and number of the notified body	
Reference to EU type-examination certificate-design type, EU design-examination certificate or certificate of conformity as appropriate	
DECLARATION/ OF DESIGN COMPLIANCE (see EN 13480-5, Figure A.1) no. /by	
DECLARATION of COMPLIANCE for FABRICATION, INSTALLATION AND TESTING (see EN 13480-5, Figure A.2) no./by	
<p>We hereby declare that the above piping conforms with the requirements of the Directive 2014/68/EU (Pressure Equipment Directive) and EN 13480:2017. The fulfilment of the applicable essential safety requirements set out in Annex I of the PED has been demonstrated.</p>	
Manufacturer	_____
	Place and Date Name and Function Signature