

# **SLOVENSKI STANDARD**

## **SIST EN ISO 13628-1:2006/A1:2014**

**01-marec-2014**

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**Industrija za predelavo nafte in zemeljskega plina - Načrtovanje in upravljanje proizvodnje v podmorskih sistemih - 1. del: Splošne zahteve in priporočila - Dopolnilo 1: Popravljen točka 6 (ISO 13628-1:2005/Amd 1:2010)**

Petroleum and natural gas industries - Design and operation of subsea production systems - Part 1: General requirements and recommendations - Amendment 1: Revised Clause 6 (ISO 13628-1:2005/Amd 1:2010)

**iTeh STANDARD PREVIEW**  
Erdöl- und Erdgasindustrie - Auslegung und Betrieb von Unterwasser-Produktionssystemen - Teil 1: Allgemeine Anforderungen und Empfehlungen - Änderung A1: Überarbeitung Abschnitt 6 (ISO 13628-1:2005/Amd 1:2010)

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Industries du pétrole et du gaz naturel - Conception et exploitation des systèmes de production immergés - Partie 1: Exigences générales et recommandations - Amendement 1: Révision de l'Article 6 (ISO 13628-1:2005/Amd 1:2010)

**Ta slovenski standard je istoveten z: EN ISO 13628-1:2005/A1:2010**

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**ICS:**

75.180.10	Oprema za raziskovanje in odkopavanje	Exploratory and extraction equipment
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**SIST EN ISO 13628-1:2006/A1:2014**      **en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 13628-1:2005/A1**

August 2010

ICS 75.180.10

English Version

**Petroleum and natural gas industries - Design and operation of  
subsea production systems - Part 1: General requirements and  
recommendations - Amendment 1: Revised Clause 6 (ISO  
13628-1:2005/Amd 1:2010)**

Industries du pétrole et du gaz naturel - Conception et  
exploitation des systèmes de production immergés - Partie  
1: Exigences générales et recommandations -  
Amendement 1: Révision de l'Article 6 (ISO 13628-  
1:2005/Amd 1:2010)

Erdöl- und Erdgasindustrie - Auslegung und Betrieb von  
Unterwasser-Produktionssystemen - Teil 1: Allgemeine  
Anforderungen und Empfehlungen - Änderung A1:  
Überarbeitung Abschnitt 6 (ISO 13628-1:2005/Amd 1:2010)

This amendment A1 modifies the European Standard EN ISO 13628-1:2005; it was approved by CEN on 2 July 2010.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This amendment 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 Management Centre has the same status as the official versions.

<https://standards.iteh.ai/catalog/standards/sist/b11c569a-c0b1-447c-b303-1b7d8585c63a/en-iso-13628-1:2005/amd-1:2010>

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## Foreword

This document (EN ISO 13628-1:2005/A1:2010) has been prepared by Technical Committee ISO/TC 67 "Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries" in collaboration with Technical Committee CEN/TC 12 "Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries" the secretariat of which is held by AFNOR.

This Amendment to the European Standard EN ISO 13628-1:2005 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2011, and conflicting national standards shall be withdrawn at the latest by February 2011.

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.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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The text of ISO 13628-1:2005/Amd 1:2010 has been approved by CEN as a EN ISO 13628-1:2005/A1:2010 without any modification.

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# INTERNATIONAL STANDARD

**ISO**  
**13628-1**

Second edition  
2005-11-15

**AMENDMENT 1**  
2010-08-15

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## **Petroleum and natural gas industries — Design and operation of subsea production systems —**

**Part 1:**

**General requirements  
and recommendations**

**AMENDMENT 1: Revised Clause 6**

iTeh STANDARD PREVIEW  
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*Industries du pétrole et du gaz naturel — Conception et exploitation  
des systèmes de production immergés —  
Partie 1: Exigences générales et recommandations  
AMENDEMENT 1: Révision de l'Article 6*



Reference number  
ISO 13628-1:2005/Amd.1:2010(E)

## ISO 13628-1:2005/Amd.1:2010(E)

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Published in Switzerland



## 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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

Amendment 1 to ISO 13628-1:2005 was prepared by Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*, Subcommittee SC 4, *Drilling and production equipment*. The changes are made mainly to Clause 6, which has been amended with a revised set of provisions that includes the general material design requirements and recommendations applicable to the complete subsea production system.

[SIST EN ISO 13628-1:2006/A1:2014](https://standards.iteh.ai/catalog/standards/sist/b11c569a-c0b1-447c-b303-9959e101b6be/sist-en-iso-13628-1-2006-a1-2014)

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**ISO 13628-1:2005/Amd.1:2010(E)****Introduction**

This amendment is based on ISO 13628-1:2005, Clause 6; EEMUA Publication 194:2004; several NORSOK standards and many oil company and supplier material specifications.

This revised Clause 6 does not include detailed material requirements and recommendations, e.g. for manufacturing and testing. Such information is included in the product-specific parts of this part of ISO 13628. It is intended that there not be any duplication of this part of ISO 13628 with the other parts of ISO 13628, whereas there can be overlap of material requirements between product-specific parts. In case of conflict between this part of ISO 13628 and product specific parts, it is intended that the latter take precedence.

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# Petroleum and natural gas industries — Design and operation of subsea production systems —

## Part 1: General requirements and recommendations

### AMENDMENT 1: Revised Clause 6

Page iii, Contents:

Replace the list of subclauses for Clause 6 with the following.

#### 6 Materials and corrosion protection

##### 6.1 General principals

##### 6.2 Corrosivity evaluation

##### 6.3 Corrosion control

##### 6.4 Materials selection

##### 6.5 Mechanical properties and material usage limitations

Page 1, Clause 2:

Add the following normative references:

ISO 8501-1, *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings. Informative supplement to part 1: Representative photographic examples of the change of appearance imparted to steel when blast-cleaned with different abrasives*

ISO 8503 (all parts), *Preparation of steel substrates before application of paints and related products — Surface roughness characteristics of blast-cleaned steel substrates*

ISO 9588, *Metallic and other inorganic coatings — Post-coating treatments of iron or steel to reduce the risk of hydrogen embrittlement*

ISO 12944 (all parts), *Paints and varnishes — Corrosion protection of steel structures by protective paint systems*

ISO 15156 (all parts)<sup>1)</sup>, *Petroleum and natural gas industries — Materials for use in H<sub>2</sub>S-containing environments in oil and gas production*

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1) ISO 15156 (all parts) was adopted by NACE as NACE MR0175/ISO 15156<sup>[41]</sup>.