



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 13628-6:2006

Petroleum and natural gas industries -  
Design and operation of subsea  
production systems - Part 6: Subsea  
production control systems (ISO 13628  
-6:2006)

## I.S. EN ISO 13628-6:2006

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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English Version

**Petroleum and natural gas industries - Design and operation of  
subsea production systems - Part 6: Subsea production control  
systems (ISO 13628-6:2006)**

Industries du pétrole et du gaz naturel - Conception et  
exploitation des systèmes de production immergés - Partie  
6: Commandes pour équipements immergés (ISO 13628-  
6:2006)

Erdöl- und Erdgasindustrie - Auslegung und Betrieb von  
Unterwasser-Fördersystemen - Teil 6: Steuersysteme für  
die Unterwasser-Produktion (ISO 13628-6:2006)

This European Standard was approved by CEN on 20 April 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, 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 United Kingdom.



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**I.S. EN ISO 13628-6:2006**

**EN ISO 13628-6:2006 (E)**

**Foreword**

This document (EN ISO 13628-6:2006) has been prepared by Technical Committee ISO/TC 67 "Materials, equipment and offshore structures for petroleum 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 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 November 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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 United Kingdom.

**Endorsement notice**

The text of ISO 13628-6:2006 has been approved by CEN as EN ISO 13628-6:2006 without any modifications.

# Contents

Page

Foreword.....	v
<b>1</b> <b>Scope</b> .....	<b>1</b>
<b>2</b> <b>Normative references</b> .....	<b>2</b>
<b>3</b> <b>Terms and definitions</b> .....	<b>3</b>
<b>4</b> <b>Abbreviated terms</b> .....	<b>6</b>
<b>5</b> <b>System requirements</b> .....	<b>8</b>
<b>5.1</b> <b>General</b> .....	<b>8</b>
<b>5.2</b> <b>Concept development</b> .....	<b>8</b>
<b>5.3</b> <b>Production control system functionality requirement</b> .....	<b>8</b>
<b>5.4</b> <b>General requirements</b> .....	<b>10</b>
<b>5.5</b> <b>Functional requirements</b> .....	<b>17</b>
<b>5.6</b> <b>Design requirements</b> .....	<b>21</b>
<b>6</b> <b>Surface equipment</b> .....	<b>25</b>
<b>6.1</b> <b>General</b> .....	<b>25</b>
<b>6.2</b> <b>General requirements</b> .....	<b>26</b>
<b>6.3</b> <b>Functional requirements</b> .....	<b>26</b>
<b>6.4</b> <b>Design requirements</b> .....	<b>26</b>
<b>7</b> <b>Subsea equipment</b> .....	<b>34</b>
<b>7.1</b> <b>General</b> .....	<b>34</b>
<b>7.2</b> <b>General requirements</b> .....	<b>34</b>
<b>7.3</b> <b>Functional requirements</b> .....	<b>34</b>
<b>7.4</b> <b>Design requirements</b> .....	<b>34</b>
<b>8</b> <b>Interfaces</b> .....	<b>44</b>
<b>8.1</b> <b>General</b> .....	<b>44</b>
<b>8.2</b> <b>Interface to host facility</b> .....	<b>44</b>
<b>8.3</b> <b>Interface to subsea equipment</b> .....	<b>45</b>
<b>8.4</b> <b>Interface to workover control system</b> .....	<b>46</b>
<b>8.5</b> <b>Interface to intelligent wells</b> .....	<b>46</b>
<b>9</b> <b>Materials and fabrication</b> .....	<b>50</b>
<b>9.1</b> <b>General</b> .....	<b>50</b>
<b>9.2</b> <b>Materials</b> .....	<b>50</b>
<b>9.3</b> <b>Fabrication</b> .....	<b>51</b>
<b>10</b> <b>Quality</b> .....	<b>52</b>
<b>11</b> <b>Testing</b> .....	<b>52</b>
<b>11.1</b> <b>General</b> .....	<b>52</b>
<b>11.2</b> <b>Qualification testing</b> .....	<b>52</b>
<b>11.3</b> <b>Factory acceptance tests (FAT)</b> .....	<b>56</b>
<b>11.4</b> <b>Integrated system tests</b> .....	<b>59</b>
<b>11.5</b> <b>Documentation</b> .....	<b>60</b>
<b>12</b> <b>Marking, packaging, storage and shipping</b> .....	<b>60</b>
<b>12.1</b> <b>Marking</b> .....	<b>60</b>
<b>12.2</b> <b>Packaging</b> .....	<b>60</b>
<b>12.3</b> <b>Storage and shipping</b> .....	<b>61</b>
<b>Annex A</b> (informative) <b>Types and selection of control system</b> .....	<b>63</b>
<b>Annex B</b> (informative) <b>Typical control and monitoring functions</b> .....	<b>66</b>

<b>Annex C</b> (informative) <b>Properties and testing of control fluids</b> .....	<b>68</b>
<b>Annex D</b> (informative) <b>Operational considerations with respect to flowline pressure exposure</b> .....	<b>96</b>
<b>Annex E</b> (normative) <b>Interface to intelligent well</b> .....	<b>98</b>
<b>Annex F</b> (informative) <b>Definition of subsea electromagnetic environment and guidance on the selection of tests, limits and severity to provide a presumption of compliance of subsea equipment</b> .....	<b>104</b>
<b>Bibliography</b> .....	<b>121</b>

## 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.

ISO 13628-6 was prepared by Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum and natural gas industries*, Subcommittee SC 4, *Drilling and production equipment*.

This second edition cancels and replaces the first edition (ISO 13628-6:2000) which has been technically revised.

ISO 13628 consists of the following parts, under the general title *Petroleum and natural gas industries — Design and operation of subsea production systems*:

- *Part 1: General requirements and recommendations*
- *Part 2: Unbonded flexible pipe systems for subsea and marine applications*
- *Part 3: Through flowline (TFL) systems*
- *Part 4: Subsea wellhead and tree equipment*
- *Part 5: Subsea umbilicals*
- *Part 6: Subsea production control systems*
- *Part 7: Completion/workover riser systems*
- *Part 8: Remotely Operated Vehicle (ROV) interfaces on subsea production systems*
- *Part 9: Remotely Operated Tools (ROT) intervention systems*
- *Part 10: Specification for bonded flexible pipe*
- *Part 11: Flexible pipe systems for subsea and marine applications*

Part 12 on dynamic production risers is in preparation.





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

## Part 6: Subsea production control systems

### 1 Scope

This part of ISO 13628 is applicable to design, fabrication, testing, installation and operation of subsea production control systems.

This part of ISO 13628 covers surface control system equipment, subsea-installed control system equipment and control fluids. This equipment is utilized for control of subsea production of oil and gas and for subsea water and gas injection services. Where applicable, this part of ISO 13628 can be used for equipment on multiple-well applications.

This part of ISO 13628 establishes design standards for systems, subsystems, components and operating fluids in order to provide for the safe and functional control of subsea production equipment.

This part of ISO 13628 contains various types of information related to subsea production control systems. They are

- informative data that provide an overview of the architecture and general functionality of control systems for the purpose of introduction and information;
- basic prescriptive data that shall be adhered to by all types of control system;
- selective prescriptive data that are control-system-type sensitive and shall be adhered to only when they are relevant;
- optional data or requirements that need be adopted only when considered necessary either by the purchaser or the vendor.

In view of the diverse nature of the data provided, control system purchasers and specifiers are advised to select from this part of ISO 13628 only the provisions needed for the application at hand. Failure to adopt a selective approach to the provisions contained herein can lead to overspecification and higher purchase costs.

Rework and repair of used equipment are beyond the scope of this part of ISO 13628.

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