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Project No. 2023/00059

Responsible committee: PSE/17/-/5 Casing, tubing and drill pipe

Interested committees:

Title: BS EN ISO 13680:2020/Amd 1 Petroleum and natural gas industries — Corrosion resistant alloy seamless tubular products for use as casing, tubing, coupling stock and accessory material — Technical delivery conditions

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

DRAFT AMENDMENT

ISO 13680:2020/DAM 1

ISO/TC 67/SC 5

Secretariat: JISC

Voting begins on:
2023-05-15

Voting terminates on:
2023-08-07

Petroleum and natural gas industries — Corrosion-resistant alloy seamless tubular products for use as casing, tubing, coupling stock and accessory material — Technical delivery conditions

AMENDMENT 1: Petroleum and natural gas industries — Corrosion-resistant alloy seamless products for use as casing, tubing, coupling stock and accessory material — Technical delivery conditions

ICS: 77.140.75; 75.180.10

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ISO/CEN PARALLEL PROCESSING



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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*, Subcommittee SC 5, *Casing, tubing and drill pipe*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 12, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This amendment modifies the fourth edition (ISO 13680:2020), which has been technically revised.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Petroleum and natural gas industries — Corrosion-resistant alloy seamless tubular products for use as casing, tubing, coupling stock and accessory material — Technical delivery conditions

AMENDMENT 1: Petroleum and natural gas industries — Corrosion-resistant alloy seamless products for use as casing, tubing, coupling stock and accessory material — Technical delivery conditions

Warning statement

Replace the warning statement with the following:

WARNING — It is the purchaser's responsibility to specify the product specification level (PSL), corrosion-resistant alloy (CRA) group, category, grade, delivery conditions and any other requirement in addition to those specified herewith to ensure that the product is adequate for the intended service environment. The ISO 15156:2020 series should be considered when making specific requirements for H₂S-containing environments; see Annex G. It is the product user's responsibility to ensure that the product is suitable for the intended application with consideration of all environmental degradation threats during both normal operation and system upsets. There are other sources of hydrogen besides H₂S-containing environments, which are not addressed by the ISO 15156:2020 series.

1

Replace the first paragraph with the following:

This document specifies the technical delivery conditions for corrosion-resistant alloy seamless products for casing, tubing, coupling stock and accessory material (including coupling stock and accessory material from bar) for two product specification levels:

Replace the third paragraph with the following:

- PSL-2, which provides additional requirements for a product that is intended to be both corrosion and cracking resistant for the environments and qualification method specified in Annex G and in the ISO 15156:2020 series.

Replace the NOTE 2 with the following:

NOTE 2 For the purpose of this document, NACE MR0175 is equivalent to the ISO 15156:2020 series.

Replace the NOTE 4 with the following:

NOTE 4 Not all PSL-1 categories and grades can be made cracking resistant in accordance with the ISO 15156:2020 series and are, therefore, not included in PSL-2.

Replace the first paragraph with the following:

The following documents, as applicable for the product, are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Replace the reference to ISO 15156 (all parts) with the following:

ISO 15156:2020 (all parts), *Petroleum and natural gas industries — Materials for use in H₂S-containing environments in oil and gas production*

Replace the reference to ISO 15156-3:2015 with the following:

ISO 15156-3:2020, *Petroleum and natural gas industries — Materials for use in H₂S-containing environments in oil and gas production — Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys*

Replace the reference to ASTM E709 with the following:

ASTM E3024, *Standard Practice for Magnetic Particle Testing for General Industry*

3.1.7

Replace the definition with the following:

seamless thick-wall *product* (3.1.18) used for the manufacture of *coupling blanks* (3.1.6)

3.1.8

Replace the definition with the following:

imperfection (3.1.11) having sufficient magnitude to warrant rejection of the *length* (3.1.14) based on criteria defined in this standard

3.1.17

Replace the definition with the following:

plain end, either upset or non-upset, furnished without threads, *casing* (3.1.3), *tubing* (3.1.23) and *pup joint* (3.1.19) as group

3.1.18

Remove: tubular product

4.1, first paragraph

Replace the first paragraph with the following:

In the interests of worldwide application of this document, certain normative references listed in Clause 2 are interchangeable in the context of the relevant requirement with the relevant