SLOVENSKI STANDARD
SIST-TS CEN ISO/TS 17969:2018

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Nadomešča:
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Petrokemična industrija ter industrija za predelavo nafte in zemeljskega plina - Smernice o usposabljanju osebja na vrtinah (ISO/TS 17969:2017)

Petroleum, petrochemical and natural gas industries - Guidelines on competency management for well operations personnel (ISO/TS 17969:2017)

Erdöl-, petrochemische und Erdgasindustrie - Leitlinien bezüglich der Kompetenz von Personal (ISO/TS 17969:2017)

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Ta slovenski standard je istoveten z: **CEN ISO/TS 17969:2017**

ICS:

03.100.30	Vodenje ljudi	Management of human resources
75.020	Pridobivanje in predelava nafte in zemeljskega plina	Extraction and processing of petroleum and natural gas

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Petroleum, petrochemical and natural gas industries - Guidelines on competency management for well operations personnel (ISO/TS 17969:2017)

Industries du pétrole, de la pétrochimie et du gaz naturel - Lignes directrices sur la gestion des compétences du personnel d'exploitation des puits (ISO/TS 17969:2017)

Erdöl-, petrochemische und Erdgasindustrie - Leitlinien bezüglich der Kompetenz von Personal (ISO/TS 17969:2017)

This Technical Specification (CEN/TS) was approved by CEN on 4 November 2017 for provisional application.

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European foreword

This document (CEN ISO/TS 17969:2017) 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 CYS.

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This document supersedes CEN ISO/TS 17969:2015.

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Endorsement notice

The text of ISO/TS 17969:2017 has been approved by CEN as CEN ISO/TS 17969:2017 without any modification.

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Second edition
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Petroleum, petrochemical and natural gas industries — Guidelines on competency management for well operations personnel

Industries du pétrole, de la pétrochimie et du gaz naturel — Lignes directrices sur la gestion des compétences du personnel d'exploitation des puits

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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.

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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html

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This second edition cancels and replaces the first edition (ISO/TS 17969:2015), which has been revised to incorporate the agreed changes that were mistakenly not taken into account in the publication of the first edition.

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Petroleum, petrochemical and natural gas industries — Guidelines on competency management for well operations personnel

1 Scope

The purpose of this document is to help members of the oil and gas industry develop, implement, maintain and improve their own competency management systems (CMS) for well operations personnel. This document supports competency management general principles which can be applied to any operation within the industry.

The annexes to this document list example competence profiles for personnel responsible for well integrity. Annex A includes an example worksheet which can be used in performing a competency assessment, to help record the assessment results versus expectation, as well as the resulting action plan to address any gaps identified.

This document is applicable to all operators, service companies and drilling contractors working on wells and well operations.

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2 Normative references

There are no normative references in this document.

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3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
competence
ability to undertake responsibilities and to perform activities to a recognised standard on a regular, repeatable basis

Note 1 to entry: Competence is a combination of knowledge, practical and thinking skills, and a person's behaviour.

Note 2 to entry: Standards may be company specific.

EXAMPLE 1 McCoy's Law: competency = knowledge × skills × behaviours.

EXAMPLE 2 Bloom's taxonomy: competency = knowledge × skills × (technical + ability).

3.2
competence assessment
process of judging evidence of an individual's performance against agreed competence requirements

Note 1 to entry: The result of such an assessment, potentially in combination with other factors such as work experience, will determine whether that individual has demonstrated competence and to which proficiency level.

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3.3
competency catalogue
hierarchical structured list of the competencies required to perform any task

3.4
competency profile
skills and behaviour, each specified at a level of proficiency, required to perform the role or activity in line with the associated risk

3.5
contractor
non-staff member

3.6
independent assessor
approved assessor that utilizes specified objective evidence of competency to assess an individual's skills

Note 1 to entry: The independent assessor shall be an approved individual competent in assessing one's skills based on predetermined and specified objective evidence of competence. This includes, but is not limited to, assessment and debrief techniques as well as competence in the skills being assessed.

Note 2 to entry: The independent assessor may not be the line manager or the direct supervisor of the individual.

Note 3 to entry: The independent assessor may or may not be from within the same company.

Note 4 to entry: Independence needs to be demonstrated to ensure that a balanced and fair assessment of a person's competency in the subject is completed.

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Note 5 to entry: If no one at wellsite can fulfil the role of independent assessor, it is recognized that there may be challenges to have extra personnel at wellsite. Therefore, companies needs to leverage modern technology, simulation, remote monitoring, etc. in order to perform independent assessments.

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3.7
major accident
significant emission, fire or explosion resulting from uncontrolled events

3.8
proficiency level
level of ability and behaviour attributes within a specific skill

3.9
rubric
set of assessment criteria used to describe and evaluate the important components of a task

Note 1 to entry: A rubric is an effective assessment tool, because it allows different assessors to arrive at similar conclusions when comparing performance to the guidelines shown on the rubric.

3.10
safety-critical competency
type of competence required of personnel in order to carry out an operation which, if carried out incorrectly or inadvertently, can lead to a major accident hazard

3.11
safety-critical task
task performed on a safety-critical element which, if performed incorrectly due to lack of technical skills or knowledge or due to behaviour attributes, can lead to a major accident hazard

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