

SLOVENSKI STANDARD
oSIST prEN ISO 19008:2017
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Standardni sistem kodiranja stroškov pri proizvodnji nafte in plina ter predelovalnih zmogljivosti (ISO 19008:2016)

Standard cost coding system for oil and gas production and processing facilities (ISO 19008:2016)

Standardkosten-Codierungssystem für die Öl- und Gasproduktion und Verarbeitungsanlagen (ISO 19008:2016)

Système de codage du coût standard pour la production de gaz et d'huile, et des installations de traitement (ISO 19008:2016)

Ta slovenski standard je istoveten z: prEN ISO 19008

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75.020	Pridobivanje in predelava nafte in zemeljskega plina	Extraction and processing of petroleum and natural gas
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First edition
2016-08-15

Standard cost coding system for oil and gas production and processing facilities

*Système de codage du coût standard pour la production de gaz et
d'huile, et des installations de traitement*

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ISO 19008:2016(E)**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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 67, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*.

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Introduction

This International Standard provides the specifications for a standard cost coding system (SCCS) to be used for classification of costs associated with the development and operation of oil and gas production and processing facilities.

The purpose of the SCCS is to enable the costs of exploration, development projects and operations to be organized, collected and reported allowing analysis and comparison across (parts of) projects and assets.

This International Standard is designed to provide a uniform coding basis for both estimate preparation and collecting/collating related historical data in order to facilitate benchmarking and analysis. It is also intended to provide the basis for exchange of cost and quantity data between parties, e.g. between companies or contractors or across projects.

This International Standard establishes a coding system that enables any in-house or commercial data system to meet these data exchange requirements.

The SCCS may also be utilized to capture consistent data for physical quantities, e.g. weight, length, areas, volumes, flow rate, work hours and durations. This will facilitate the development and measure of unit costs and cost metrics.

The scope of work that is being classified has three key aspects (also known as facets) namely, physical asset [coded by the physical breakdown structure (PBS)], activity [coded by the standard activity breakdown structure (SAB)] and resource [coded by the code of resource (COR)].

Hence the SCCS is composed of three complementary and disjoint sub-classifications, each one dealing with one of the aspects. This is technically known as a poly-hierarchical or faceted classification system.

The main body of this International Standard contains the principles and usage of the SCCS. It also includes implementation requirements for the expansion of the coding system by individual organisations.

The annexes include:

- the SCCS codes their names and description;
- examples of use of the codes.

Application of ISO 19008 can also be useful when performing production assurance, reliability management and Life Cycle Cost (LCC) analysis; see ISO 20815, ISO 14224 and ISO 15663.

Standard cost coding system for oil and gas production and processing facilities

1 Scope

This International Standard describes the standard cost coding system (SCCS) that classifies costs and quantities related to exploration, development, operation and removal of oil and gas production and processing facilities and to the petroleum, petrochemical and natural gas industry. Upstream, midstream, downstream and petrochemical business categories are included.

The SCCS for coding of costs is applicable to:

- cost estimating;
- actual cost monitoring and reporting;
- collection of final quantities and cost data;
- standardized exchange of cost data among organizations;
- implementation in cost systems.

This International Standard is intended for users such as the following:

- a) owner/operator/company (individual or grouped entity that is entitled or contributes to operations in the exploitation of oil and gas fields);
- b) industry/trade associations;
- c) manufacturers/contractors;
- d) cost engineering service contractors, cost system providers, benchmarking providers, etc.;
- e) authorities/regulatory bodies.

This International standard does not apply to the following:

- 1) cost classification relevant to cost accounting rules, specific contractual agreements, local requirements for cost reporting to national bodies, government rules and tax regulations, authorization for expenditure (AFE), billing purposes etc.;
- 2) specific project breakdown structures (e.g. work breakdown structures, contract breakdown structures, organizational breakdown structure) or asset breakdowns (e.g. TAG/system codes, area/module breakdown structure) which are and will remain unique.

However, this International Standard can provide a basis for the establishment of such specific classification systems.

2 Terms and definitions

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

2.1

code of resource

COR

hierarchical structure of SCCS that classifies all project resources according to the type of contract/resource that is involved in the activity and has an associated set of rates

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2.2

cost item

particular part/level that is coded/classified using the SCCS

EXAMPLE “Procurement of piping” would be a cost item in the “development of facility X”.

2.3

cost time resource

CTR

document that describes each major element in the work breakdown structure, including a statement of work describing the work content, resources required, the time frame of the work element and a cost estimate

2.4

faceted classification system

collection of facet classifications that allows the classification of an object

EXAMPLE This International Standard specifies a faceted classification system for objects used in cost estimating for oil and gas production and processing facilities.

2.5

scope of work

SOW

division of work to be performed under a formal agreement (project assignment), contract or subcontract in the completion of a project

2.6

physical breakdown structure

PBS

hierarchical structure of SCCS that defines the types of physical asset components of field installations being delivered by the activity

2.7

standard cost coding system

SCCS

standard system for classification and coding cost estimates, monitoring and final quantities and cost data

Note 1 to entry: The SCCS code comprises three individual hierarchical coding structures named PBS, SAB, COR, each based upon a different aspect/facet of the scope of work.

2.8

standard activity breakdown structure

SAB

hierarchical structure of SCCS that defines the type of activity that is being performed

3 Abbreviated items

COR	code of resource
CTR	cost time resource
EPC	engineering procurement and construction
PBS	physical breakdown structure
SAB	standard activity breakdown
SCCS	standard cost coding system
WBS	work breakdown structure