



SLOVENSKI STANDARD
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Naftna in plinska industrija, vključno z nizkoogljično energijo - Ocenjevanje premičnih naftnih ploščadi na področju postavitve - 1. del: Dvižne ploščadi (ISO 19905-1:2023)

Oil and gas industries including lower carbon energy - Site-specific assessment of mobile offshore units - Part 1: Jack-ups: elevated at a site (ISO 19905-1:2023)

Erdöl- und Erdgasindustrie - Beurteilung von mobilen Offshore-Einheiten bezüglich ihres Einsatzgebietes – Teil 1: Hubinseln (ISO 19905-1:2023)

Industries du pétrole et du gaz, y compris les énergies à faible teneur en carbone - Évaluation spécifique du site d'unités mobiles en mer - Partie 1: Plateformes auto-élévatrices : Surélevées sur un site (ISO 19905-1:2023)

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ICS:

75.180.10	Oprema za raziskovanje, vrtanje in odkopavanje	Exploratory, drilling and extraction equipment
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Oil and gas industries including lower carbon energy - Site-specific assessment of mobile offshore units - Part 1: Jack-ups: elevated at a site (ISO 19905-1:2023)

Industries du pétrole et du gaz, y compris les énergies à faible teneur en carbone - Évaluation spécifique du site d'unités mobiles en mer - Partie 1: Plateformes auto-élevatrices : Surélevées sur un site (ISO 19905-1:2023)

Erdöl- und Erdgasindustrie - Beurteilung von mobilen Offshore-Einheiten bezüglich ihres Einsatzgebietes - Teil 1: Hubinseln (ISO 19905-1:2023)

This European Standard was approved by CEN on 4 November 2023.

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European foreword

This document (EN ISO 19905-1:2023) has been prepared by Technical Committee ISO/TC 67 "Oil and gas industries including lower carbon energy" in collaboration with Technical Committee CEN/TC 12 "Oil and gas industries including lower carbon energy" the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by May 2024, and conflicting national standards shall be withdrawn at the latest by May 2024.

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INTERNATIONAL
STANDARD

ISO
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Third edition
2023-10

**Oil and gas industries including
lower carbon energy — Site-specific
assessment of mobile offshore units —**

**Part 1:
Jack-ups: elevated at a site**

*Industries du pétrole et du gaz, y compris les énergies à faible teneur
en carbone — Évaluation spécifique du site d'unités mobiles en
mer —*

Partie 1: Plateformes auto-élevatrices : Surélevées sur un site

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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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This document was prepared by Technical Committee ISO/TC 67, *Oil and gas industries including lower carbon energy*, Subcommittee SC 7, *Offshore structures*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 12, *Oil and gas industries including lower carbon energy*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 19905-1:2016), which has been technically revised.

The main changes are as follows:

- updates regarding operations in arctic areas in: Scope, 5.1.4, Figure 5.2-1, 6.7, 7.2, 7.6, 7.8, 10.8, Table 10.3-1 and A.10.8, and added 8.8.9;
- need for Classification revised in Scope and expanded in 5.1.7;
- Clause 3 updated to align with 19900 and other sources. Further definitions added;
- added definitions of symbols for undrained shear strength in 4.1.2;
- added definitions of symbols for horizontal and moment capacity coefficients and cyclic degradation factors in 4.1.5;
- interaction with SSA-I explained in 5.1;