



ISO 19905-1

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.

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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;