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**Petroleum and natural gas  
industries — Specific requirements  
for offshore structures —**

**Part 5:  
Weight management**

*Industries du pétrole et du gaz naturel — Exigences spécifiques  
relatives aux structures en mer —*

*Partie 5: Gestion des poids*

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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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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This document was prepared by Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*, Subcommittee SC 7, *Offshore structures*, 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 third edition cancels and replaces the second edition (ISO 19901-5:2016), which has been technically revised.

The main changes are as follows:

- part title changed to "Weight Management";
- document restructured and columnization removed;
- weight control classes removed;
- requirements for weight management for all project phases implemented;
- annexes deleted or relocated to body of document:
  - previous Annex A "Weight data sheets – tagged equipment" combined with previous Annex B "Weighing certificates" to create new joined into a new [Annex B](#) "Weighing certificates";
  - previous Annex C "Weight and load budget (WLB) formats and levels" replaced with new [Annex C](#) "Control weights";
  - deleted previous Annex D "Major elements of the weight displacement";
  - information in previous Annex E "Supplier weighing procedure" relocated to [Clause 8](#);
  - deleted previous Annex F "Guidelines for displacement measurement of floating facilities";

- information in previous Annex G “Requirements for weight control during operations” relocated to [Clause 7](#);
  - information in previous Annex H “Requirements for topsides weight estimation — New builds/ green field” relocated to [Clause 7](#);
  - information in previous Annex I “Executive summary description” relocated to [Clause 7](#);
  - replaced previous Annex J “Weighing result uncertainty” with [Annex F](#) “Weighing result uncertainty”;
  - previous Annex K “Weight control database structure” replaced with new [Annex G](#) “Weight database structure”.
- Annexes added:
- [Annex A](#) “Commentary”;
  - [Annex D](#) “Variable weight”;
  - [Annex E](#) “Example decision-making RAPID matrix”;
  - [Annex H](#) “Weight of concrete structures”;
  - [Annex I](#) “Coordinate systems”;
  - [Annex J](#) “Weight allowances and reserves”;
  - [Annex K](#) “Weight management competencies”.

A list of all parts in the ISO 19901 series can be found on the ISO website.

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