



MALAYSIAN STANDARD

MS ISO 19900:2012

**Petroleum and natural gas industries -
General requirements for offshore structures
(ISO 19900:2002, IDT)**

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Committee representation

The Industry Standards Committee on Petroleum and Gas (ISC H) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of Malaysian Oil and Gas Engineering Consultants
Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia
Esso Malaysia Berhad
Federation of Malaysian Manufacturers (Malaysian Industrial Gases Manufacturers Group)
Jabatan Bomba dan Penyelamat Malaysia
Jabatan Pengangkutan Jalan Malaysia
Malaysian Gas Association
Malaysian Palm Oil Board
Malaysian Plastics Manufacturers Association
Ministry of Domestic Trade, Co-operatives and Consumerism
Ministry of International Trade and Industry
Petroleum Nasional Berhad
PETRONAS Group Technology Solutions
Shell Malaysia Trading Sdn Bhd
SIRIM Berhad (Secretariat)
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia
Universiti Teknologi PETRONAS

The Technical Committee on Offshore Structures which recommended the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Asian Geos Sdn Bhd
Department of Occupational Safety and Health Malaysia
Malaysian Oil & Gas Services Council
Malaysian Structural Steel Association
Offshore Works Sdn Bhd
PETRONAS Carigali Sdn Bhd
PETRONAS Group Technology Solutions
Sarawak Shell Berhad
SIRIM Berhad (Secretariat)
Technip Geoproduction (M) Sdn Bhd
TL Offshore Sdn Bhd
Universiti Teknologi Malaysia
Universiti Teknologi PETRONAS

Co-opted member:

PETRONAS Carigali Sdn Bhd (Development Division)

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NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Offshore Structures under the authority of the Industry Standards Committee on Petroleum and Gas.

This Malaysian Standard is identical with ISO 19900:2002, *Petroleum and natural gas industries - General requirements for offshore structures*, published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard";
and
- b) the comma which is used as a decimal sign (if any), to read as a point.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

ISO 19900 was prepared by Technical Committee ISO/TC 67, *Petroleum and natural gas industries*, Subcommittee SC 7, *Offshore structures*.

This first edition of ISO 19900 cancels and replaces ISO 13819-1:1995, which has been editorially revised.

ISO 19900 is one of a series of standards for offshore structures. The full series consists of the following International Standards:

ISO 19900, *Petroleum and natural gas industries — General requirements for offshore structures*

ISO 19901-4, *Petroleum and natural gas industries — Specific requirements for offshore structures — Part 4: Geotechnical and foundation design considerations*

ISO 19901-5, *Petroleum and natural gas industries — Specific requirements for offshore structures — Part 5: Weight control during engineering and construction*

The following International Standards are under preparation:

ISO 19901-1, *Petroleum and natural gas industries — Specific requirements for offshore structures — Part 1: Meteorological design and operating considerations*

ISO 19901-2, *Petroleum and natural gas industries — Specific requirements for offshore structures — Part 2: Seismic design procedures and criteria*

ISO 19901-3, *Petroleum and natural gas industries — Specific requirements for offshore structures — Part 3: Topsides structure*

ISO 19901-6, *Petroleum and natural gas industries — Specific requirements for offshore structures — Part 6: Marine operations*

ISO 19902, *Petroleum and natural gas industries — Fixed steel offshore structures*

ISO/TS 19903, *Petroleum and natural gas industries — Fixed concrete offshore structures*

ISO 19904, *Petroleum and natural gas industries — Floating offshore structures including stationkeeping*

ISO 19905-1, *Petroleum and natural gas industries — Site-specific assessment of mobile offshore units — Part 1: Jack-ups*

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ISO/TR 19905-2, *Petroleum and natural gas industries — Site-specific assessment of mobile offshore units — Part 2: Jack-ups commentary*

ISO 19906, *Petroleum and natural gas industries — Arctic offshore structures*

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