

---

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

**Part 6:  
Marine operations**

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

*Partie 6: Opérations marines*



**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2009

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 0111  
Fax + 41 22 749 0947  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

Foreword .....	vii
Introduction .....	ix
1 Scope .....	1
2 Normative references .....	2
3 Terms and definitions .....	2
4 Symbols and abbreviated terms .....	15
4.1 Symbols .....	15
4.2 Abbreviated terms .....	18
5 General considerations .....	20
5.1 Introduction .....	20
5.2 Jurisdiction .....	21
5.3 HSE plan .....	22
5.4 Risk management .....	22
5.5 Job safety analysis .....	23
5.6 Environmental impact study .....	23
5.7 Manning, qualifications, job and safety training .....	23
5.8 Incident reporting .....	24
5.9 Personnel tracking .....	24
5.10 Approval by national authorities .....	24
6 Organization, documentation and planning .....	24
6.1 Introduction .....	24
6.2 Organization and communication .....	24
6.3 Quality assurance and administrative procedures .....	26
6.4 Technical procedures .....	26
6.5 Technical documentation .....	26
6.6 Certification and documentation .....	29
6.7 Systems and equipment .....	30
7 Metocean and earthquake requirements .....	32
7.1 Introduction .....	32
7.2 Weather-restricted/weather-unrestricted operations .....	33
7.3 Metocean conditions .....	33
7.4 Metocean criteria .....	35
7.5 Weather windows .....	36
7.6 Operational duration .....	37
7.7 Metocean forecast .....	37
7.8 Earthquake .....	38
8 Weight control .....	38
8.1 Introduction .....	38
8.2 Weight control classes .....	38
8.3 Contingencies for class A .....	39
8.4 Weight and CoG constraints .....	39
8.5 Weight control audits .....	39
8.6 Dimensional control .....	39
9 Stability .....	39
9.1 Introduction .....	39
9.2 General requirements .....	39
9.3 Stability calculations .....	40