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

**Part 5:
Weight control during engineering and
construction**

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

Partie 5: Contrôles des poids durant la conception et la fabrication



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.

© ISO 2003

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
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	v
Introduction	vii
1 Scope.....	1
2 Normative references	2
3 Terms, definitions and abbreviated terms.....	2
3.1 Terms and definitions.....	2
3.2 Abbreviated terms.....	7
4 Weight control classes	7
4.1 General	7
4.2 Class A: High definition of weight and CoG requirements.....	7
4.3 Class B: Medium definition of weight and CoG requirements.....	8
4.4 Class C: Low definition of weight and CoG requirements	8
4.5 Selection of weight control class	8
5 Weight and load budget (WLB).....	9
5.1 General	9
5.2 Requirements	10
5.3 Weight and load budget (WLB) content.....	10
5.3.1 General	10
5.3.2 50/50 weight estimate	11
5.3.3 Weight reserves	12
5.3.4 Future weights and loads	12
5.3.5 Loading conditions and parameters	13
5.3.6 Weight and load budget (WLB) formats and levels.....	14
5.3.7 CoG constraints	15
6 Weight reporting	15
6.1 General	15
6.2 The weight control procedure	16
6.3 Requirements to the weight report	17
6.3.1 Introduction to the report	17
6.3.2 Summary and conclusions to the report	17
6.3.3 Area/module reports	19
6.3.4 Special reports (optional).....	20
6.3.5 Annexes to the report.....	21
7 Requirements for weight data from suppliers and weighing of bulk and equipment.....	22
7.1 General	22
7.2 Provision of weight information	22
7.3 Requirements for weighing.....	23
7.4 Weighing equipment	23
7.5 Weighing procedure	23
7.6 Notification and witnessing of weighing	24
7.7 Calibration of weighing equipment	24
7.8 Weighing operation.....	24
7.9 Temporaries during weighing.....	25
7.10 Items excluded during weighing	25
8 Requirements for weighing of major assemblies.....	25
8.1 Weighing procedure	25
8.2 Environmental conditions.....	25
8.2.1 Light.....	25