

GUIDE FOR

'DYNAMIC LOADING APPROACH' FOR FLOATING PRODUCTION, STORAGE AND OFFLOADING (FPSO) INSTALLATIONS

MAY 2010

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Page No.	Paragraph	Comments
Foreword		
ii	Foreword	In second paragraph, reference “Section 1-1-2 of the <i>ABS Guide for Building and Classing Floating Production Installations (FPI Guide)</i> ” to read “Section 1-1-2 of the <i>ABS Rules for Building and Classing Floating Production Installations (FPI Rules)</i> ”.
ii	Foreword	In second and third paragraphs, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (2 places)

Section	1	Introduction
1	1/1	In first paragraph, reference “ <i>ABS Guide for Building and Classing Floating Production Installations (FPI Guide)</i> ” to read “ <i>ABS Rules for Building and Classing Floating Production Installations (FPI Rules)</i> ”.
1	1/1	In first, second, third, and fifth paragraphs, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (4 places)
1	1/3.1	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (2 places)
2	1/3.1	In first paragraph and Item i), reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (3 places)
4	1/5	In Item ii), reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
4	1/5	In second paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
5	1/5	In last paragraph, delete “published in December 2006”.

Section	2	Load Cases
8	2/7.1	In Note, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
11	2/13	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.

Section	3	Environmental Conditions
12	3/1	In first paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
15	3/7.1	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (2 places)
16	3/7.5	In first paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (2 places)

Page No.	Paragraph	Comments
Section 8	Internal Liquid Tank Pressure	
30	8/1	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
30	8/1	Reference “Section 5A-3-2/11 of the <i>FPI Guide</i> ” to read “5A-3-2/11 of the <i>FPI Rules</i> ”.
31	8/9	Reference “Section 5A-3-2/11 of the <i>FPI Guide</i> ” to read “5A-3-2/11 of the <i>FPI Rules</i> ”.

Section 11	Structural Analysis of the Hull Structure	
36	11/1	In third paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
37	11/5	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
37	11/7	In second-to-last paragraph, reference “Section 5A-1-4/3 of the <i>FPI Guide</i> ” to read “5A-1-4/3 of the <i>FPI Rules</i> ”.

Section 12	Acceptance Criteria	
38	12/1	In second-to-last paragraph, reference “ <i>Floating, Production, Storage and Offloading</i> ” to read “ <i>Floating Production, Storage and Offloading</i> ”.
39	12/Table 1	Revise Table title and Table as follows:

TABLE 1
Allowable Stresses for Watertight Boundaries

Stress Limit	Ordinary Strength Steel ($S_m = 1.000$)	HT27 ($S_m = 0.980$)	HT32 ($S_m = 0.950$)	HT36 ($S_m = 0.908$)	HT40 ($S_m = 0.875$)	
$c_\ell \times c_f S_m f_y$	$23534 \times c_\ell c_f$	$25947 \times c_\ell c_f$	$29810 \times c_\ell c_f$	$32056 \times c_\ell c_f$	$34321 \times c_\ell c_f$	N/cm ²
	$2400 \times c_\ell c_f$	$2646 \times c_\ell c_f$	$3040 \times c_\ell c_f$	$3269 \times c_\ell c_f$	$3500 \times c_\ell c_f$	kgf/cm ²
	$34138 \times c_\ell c_f$	$37637 \times c_\ell c_f$	$43241 \times c_\ell c_f$	$46498 \times c_\ell c_f$	$49784 \times c_\ell c_f$	lbf/in ²

Note: c_f is to be taken as 0.95 for FE model with gross scantlings.
 c_f is to be taken as 1.0 for FE model with net scantlings.

40	12/5	In second paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (2 places)
41	12/5	In first paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.

Appendix 1	Summary of DLA Analysis Procedures	
45	A1/25	In Item iii), reference “Section 15” to read “Section 13”.

Appendix 2	Buckling and Ultimate Strength Criteria	
46	A2/1.1	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
46	A2/1.3	In Items ii), iii), iv), v), vi), reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (5 places)
47	A2/3.1	In last paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
48	A2/5.1	In definition of f_{ca} , reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
49	A2/5.1	In definition of b_e , reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
49	A2/5.1	In last paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
49	A2/5.3	In definition of f_{cr} , reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.