

## GUIDE FOR

# 'DYNAMIC LOADING APPROACH' FOR FLOATING PRODUCTION, STORAGE AND OFFLOADING (FPSO) INSTALLATIONS MAY 2010

**CORRIGENDA/EDITORIALS – 1 February 2014**

**CORRIGENDA/EDITORIALS – 1 January 2017**

Page No.	Paragraph	Comments
<b>Foreword</b>		
ii	Foreword	In second paragraph, reference “Section 1-1-2 of the ABS <i>Guide for Building and Classing Floating Production Installations (FPI Guide)</i> ” to read “Section 1-1-2 of the ABS <i>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)
<b>Section 1 Introduction</b>		
1	1/1	In first paragraph, reference “ABS <i>Guide for Building and Classing Floating Production Installations (FPI Guide)</i> ” to read “ABS <i>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>i</i> ), reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (3 places)
4	1/5	In Item <i>ii</i> ), 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”.
<b>Section 2 Load Cases</b>		
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> ”.
<b>Section 3 Environmental Conditions</b>		
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
<b>Section 8 Internal Liquid Tank Pressure</b>		
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> ”.

<b>Section 11 Structural Analysis of the Hull Structure</b>		
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> ”.

<b>Section 12 Acceptance Criteria</b>		
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 ( $S_m = 0.875$ )	
$c_t \times c_f S_m f_y$	$23534 \times c_t c_f$	$25947 \times c_t c_f$	$29810 \times c_t c_f$	$32056 \times c_t c_f$	$34321 \times c_t c_f$	N/cm <sup>2</sup>
	$2400 \times c_t c_f$	$2646 \times c_t c_f$	$3040 \times c_t c_f$	$3269 \times c_t c_f$	$3500 \times c_t c_f$	kgf/cm <sup>2</sup>
	$34138 \times c_t c_f$	$37637 \times c_t c_f$	$43241 \times c_t c_f$	$46498 \times c_t c_f$	$49784 \times c_t c_f$	lbf/in <sup>2</sup>

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> ”.

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

<b>Appendix 2 Buckling and Ultimate Strength Criteria</b>		
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> ”.

<b>Appendix 2 Buckling and Ultimate Strength Criteria</b>		
49	A2/7.1	In definition of $f_{cL}, f_{cT}$ , reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
50	A2/9.1	In first paragraph, reference “requirements 5A-3-4/7.9.2 of the <i>FPI Guide</i> ” to read “requirements of 5A-3-4/7.9.2 of the <i>FPI Rules</i> ”.
50	A2/9.1.1	In third-from-last paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
50	A2/9.1.2	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
51	A2/11.1.1	In last paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
51	A2/11.1.2	In definition of $f_{Tb}$ , reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
51	A2/11.1.2	In last paragraph, reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
51	A2/11.3	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”. (2 places)
51	A2/11.5	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.
<b>Appendix 3 Nominal Design Corrosion Values (NDCV) for FPSOs</b>		
52	A3/3.1	Reference “ <i>FPI Guide</i> ” to read “ <i>FPI Rules</i> ”.