

GUIDANCE NOTES ON

**SAFEHULL FINITE ELEMENT ANALYSIS OF HULL STRUCTURES  
DECEMBER 2004**

**CORRIGENDA/EDITORIALS – 1 February 2014**

Page No.	Paragraph	Comments
<b>Section 1 Introduction</b>		
1	1/3	In second paragraph, reference “Part 5 of the <i>Steel Vessel Rules</i> ” to read “Part 5C of the <i>Steel Vessel Rules</i> ”.

<b>Section 2 SafeHull Dynamic Load Criteria</b>		
5	2/1	In second paragraph, “(Section 5-1-3 for oil carriers, Section 5-3-3 for bulk carriers, Section 5-5-3 for container carriers)” to read “(Section 5C-1-3 for oil carriers, Section 5C-3-3 for bulk carriers, Section 5C-5-3 for container carriers)”.
12	2/9.3	In first paragraph after Table 1, reference ““Guidance Notes on Finite Element Analysis of Hull Structures – Local 3D Model Analysis”” to read “ABS <i>Guide for ‘SafeHull-Dynamic Loading Approach’ for Vessels</i> ”.

<b>Section 3 Loading and Boundary Conditions</b>		
19	3/Table 1	Revise references in table to read as follows:

<i>Vessel Type</i>	<i>Hull Girder Loads</i>	<i>External Pressure</i>	<i>Internal Pressure</i>
Tankers	3-2-1/3.1-3.5; 5C-1-3/3.1-5.3	5C-1-3/5.5	5C-1-3/5.7
Bulk Carriers	3-2-1/3.1-3.5; 5C-3-3/3.1-5.3	5C-3-3/5.5	5C-3-3/5.7
Container Carriers	3-2-1/3.1-3.5; 5C-3-3/3.1-5.1	5C-5-3/5.3	5C-5-3/5.5

20	3/Table 2	Revise references in table to read as follows:
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<i>Vessel Type</i>	<i>Hull Girder Loads</i>
Tankers	5C-1-3/Figure 1 & Figure 14
Bulk Carriers	5C-3-3/Figure 1
Container Carriers	5C-5-3/Figure 3

20	3/Table 3	Revise references in table to read as follows:
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<i>Vessel Type</i>	<i>Hull Girder Loads</i>
Tankers	5C-1-3/Table 1 & Table 2
Bulk Carriers	5C-3-3/Table 1
Container Carriers	5C-5-3/Table 1

22	3/13	Reference “Subsection 3-3” to read “Subsection 3/3”.
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Page No.	Paragraph	Comments
<b>Section 4</b>	<b>Evaluation</b>	
31	4/Table 1	Revise references in table to read as follows:

<i>Vessel Type</i>	<i>Yielding</i>	<i>Buckling</i>	<i>Fatigue</i>
Tankers	5C-1-5/3	5C-1-5/5	5C-1-5/7; 5C-1-A1
Bulk Carriers	5C-3-5/3	5C-3-5/5	5C-3-A1
Container Carriers	5C-5-5/3.1-3.5	5C-5-5/5.1-5.13	5C-5-A1

31	4/1	In paragraph after Table 1, reference “ <i>The Finite Element Guide for Hull Structures, Local 3D Approach</i> ” to read “the <i>ABS Guide for ‘SafeHull-Dynamic Loading Approach’ for Vessels</i> ”.
33	4/7	In second line, “out-of-planel loads” to read “out-of-plane loads”.
34	4/7.3	In first paragraph, reference ““Guidance Notes on Finite Element Analysis of Hull Structures – Local 3D Model Analysis”” to read “ <i>ABS Guide for ‘SafeHull-Dynamic Loading Approach’ for Vessels</i> ”.

Section 6	Frequently Asked Questions	
49	----	In answer to “Mesh size for local 3D zooming analysis”, “separate document of “Local 3D Approach”” to read “ <i>ABS Guide for ‘SafeHull-Dynamic Loading Approach’ for Vessels</i> ”.
49	----	In answer to “Critical Area for local 3D zooming analysis”, “the “Local 3D Approach”” to read “a local FE analysis”.
49	----	In answer to “Critical Area for fatigue zooming analysis”, “ <i>ABS Guidance Notes on Finite Element Analysis for Hull Structures – Local 3D Approach</i> ” to read “ <i>ABS Guide for ‘SafeHull-Dynamic Loading Approach’ for Vessels</i> ”.

Section 7	References	
51	----	In reference 1, “Part 5” to read “Part 5C”.
51	----	Reference 2 to read “ <i>ABS Guide for ‘SafeHull-Dynamic Loading Approach’ for Vessels</i> ”.