

## GUIDE FOR

# APPLICATION OF HIGHER-STRENGTH HULL STRUCTURAL THICK STEEL PLATES IN CONTAINER CARRIERS FEBRUARY 2009

**CORRIGENDA/EDITORIALS – 6 April 2010**

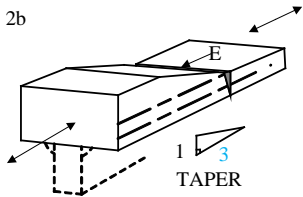
**CORRIGENDA/EDITORIALS – 10 January 2012**

**CORRIGENDA/EDITORIALS – 1 February 2014**

**CORRIGENDA/EDITORIALS – 1 January 2017**

**CORRIGENDA/EDITORIALS – 1 February 2017**

Page No.	Paragraph	Comments
<b>Section 1</b>	<b>Introduction</b>	
1	1/1	In first paragraph, “These requirements on the thick steel plates are to be used in conjunction with the <i>ABS Rules for Building and Classing Steel Vessels (Steel Vessel Rules)</i> . Specifically, reference to the following parts and chapters of the <i>Steel Vessel Rules</i> is to be made when applying this Guide:” to read “These requirements on the thick steel plates are to be used in conjunction with the following ABS Rules:”.
1	1/1	Revise first bullet to read “Part 5C, Chapter 5 “Vessels Intended to Carry Containers 130 meters (427 feet) to 450 meters (1476 feet) in Length” of the <i>ABS Rules for Building and Classing Steel Vessels (Steel Vessel Rules)</i> for the scantling and strength requirements.”.
1	1/1	Revise second bullet to read “Chapter 1 “Materials for Hull Construction” of the <i>ABS Rules for Materials and Welding (Part 2)</i> ”.
1	1/1	Revise third bullet to read “Chapter 4 “Welding and Fabrication” of the <i>ABS Rules for Materials and Welding (Part 2)</i> ”.
1	1/1	Revise last bullet to read “ <i>ABS Rules for Survey After Construction (Part 7)</i> ”.
<b>Section 2</b>	<b>Hull Structural Design with Higher-Strength Thick Steel Plates</b>	
3	2/5.3	In second paragraph, reference “Subsection 3/11” to read “Subsection 2/11”.
3	2/Table 2	In Note 1, “ <i>ABS Guidance Notes on Spectral-Based Fatigue Analysis for Vessels</i> ” to read “ <i>ABS Guide for Spectral-Based Fatigue Analysis for Vessels</i> ”.
4	2/7	Reference “Section 2, Table 1” to read “Section 2, Table 2”.
4	2/11	Reference “S Appendix 5C-5-A1 “Guide for Fatigue Strength Assessment of Container Carriers” of the <i>Steel Vessel Rules</i> ” to read “Appendix 5C-5-A1 “Fatigue Strength Assessment of Container Carriers” of the <i>Steel Vessel Rules</i> ”.
<b>Section 3</b>	<b>Testing and Certification of Thick Steel Plates with Minimum Yield Stress of 460 N/mm<sup>2</sup></b>	
5	3/1.13	Reference “2-2-2/14 of the <i>ABS Rules for Materials and Welding (Part 2)</i> ” to read “2-1-1/14 of the <i>ABS Rules for Materials and Welding (Part 2)</i> ”.
8	3/7	Reference “Section 5, Table 5” to read “Section 3, Table 5”.

Page No.	Paragraph	Comments
<b>Section 4 Welding and Fabrication of Thick Steel Plates with Minimum Yield Stress of 460 N/mm<sup>2</sup></b>		
9	4/1.7	Reference “2-4-1/9 of the <i>ABS Rules for Materials and Welding (Part 2)</i> ” to read “2-4-3/7 of the <i>ABS Rules for Materials and Welding (Part 2)</i> ”.
9	4/1.9	Reference “2-4-1/11 of the <i>ABS Rules for Materials and Welding (Part 2)</i> ” to read “2-4-3/11 of the <i>ABS Rules for Materials and Welding (Part 2)</i> ”.
10	4/7.1	Reference “2-A4/5.13 of the <i>ABS Rules for Materials and Welding (Part 2)</i> ” to read “2-A4-2/5.13 of the <i>ABS Rules for Materials and Welding (Part 2)</i> ”.
<b>Section 5 Prevention of Fatigue and Fracture Failure in Thick Steel Plates with Minimum Yield Stress of 460 N/mm<sup>2</sup></b>		
13	5/5.1	In second bullet, “ <i>ABS Guidance Notes on Spectral-Based Fatigue Analysis for Vessels</i> ” to read “ <i>ABS Guide for Spectral-Based Fatigue Analysis for Vessels</i> ”.
<b>Appendix 1 Full Ship Finite Element Based Fatigue Strength Assessment of Upper Flange Structure</b>		
20	A1/Table 1	In figure 2b, taper to read “1” and “3”, as follows: 
37	A1/9.3.1	Reference “A1/9.5.3” to read “A1/9.3.3”.
37	A1/9.3.1	Definition of $w_1$ to read “transverse width of the cross deck under consideration...”.
37	A1/9.3.1	Definition of $w_2$ to read “longitudinal width of the cross deck under consideration...”.
45	A1/11.3.3	Reference “A1/11.5.2” to read “A1/11.3.2”.
45	A1/11.3 (Notes)	Reference “A2/11.5.2” to read “A1/11.3.2”.
<b>Appendix 2 Residual Hull Girder Strength</b>		
47	A2/Title	Revise title to read “Hull Girder Residual Strength”.
49	A2/5.3.3	Reference “Appendix 3, Figure 2” to read “Appendix 2, Figure 2”.