

GUIDE FOR

VESSELS INTENDED TO CARRY COMPRESSED NATURAL GASES IN BULK APRIL 2005

CORRIGENDA/EDITORIALS – 30 January 2008

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Note: The Chapter/Section headings and references in the “Paragraph” column relate to the printed 2005 CNG Guide. Changes to Chapter 1 references noted in the “Comments” column are due to the publication of the consolidated ABS Rules for Conditions of Classification (Part 1), which resulted in the Sections of Chapter 1 of the CNG Guide being renumbered (for example, Section 3 is now Section 2). See Notice No. 4.

Page No.	Paragraph	Comments
Table of Contents		
v	TOC	Add new note below Chapter 1, as follows, “[See also separately published booklet <i>ABS Rules for Conditions of Classification (Part 1)</i>]”.
Chapter 1 Scope and Conditions of Classification		
3	Foreword	Add new second paragraph, as follows, Thus, Chapter 1 of this Guide specifies only the unique requirements applicable to vessels intended to carry compressed natural gases in bulk. These supplemental requirements are always to be used with the aforementioned <i>Rules for Conditions of Classification (Part 1)</i> .”.
Chapter 1 Scope and Conditions of Classification		
Section 3 Classification Symbols and Notations		
11	1-3/1 (now 1-2/1)	In first paragraph, reference “1-1-3/3 of the <i>ABS Rules for Building and Classing Steel Vessels (Steel Vessel Rules)</i> ” to read “1-1-3/3 of the <i>ABS Rules for Conditions of Classification (Part 1)</i> ”.
Chapter 1 Scope and Conditions of Classification		
Section 6 Submission of Plans		
17	----	In first paragraph, reference “Section 1-1-7 of the <i>Steel Vessel Rules</i> ” to read “Section 1-1-7 of the <i>ABS Rules for Conditions of Classification (Part 1)</i> ”.
18	1-6/xxix) (now 1-4/xxix))	Reference “Chapter 3, Section 2 of the <i>ABS Guide for Building and Classing Facilities on Offshore Installations</i> ” to read “Chapter 3, Section 2 of the <i>ABS Rules for Building and Classing Facilities on Offshore Installations</i> ”.
19	1-6/xxxi (now 1-4/xxxi)	Add Item <i>xxxi</i>) “Cargo Containment Survey Plan (see 17-2/1)”.

Page No.	Paragraph	Comments
Chapter 1 Appendix 2	Scope and Conditions of Classification Abbreviations and References	
48	1-A2/2	In Item iv), “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
48	1-A2/2	Delete Item v), “ABS Guide for Building and Classing Membrane Tank LNG Vessels”.
48	1-A2/2	In Item x), “ABS Guide for Surveys Using Reliability-Centered Maintenance” to read “ABS Guide for Surveys Based on Machinery Reliability and Maintenance Techniques”.
Chapter 2 Section 2	Risk Assessment and Special Studies Requirements	
59	2-2/2.3	Reference “2-2/3” to read “Chapter 2, Section 4”.
Chapter 3 Appendix 1	Ship Survival Capability and Location of Cargo Tanks Onboard Computers for Stability Calculations	
5 (Notice 2)	3-A1/Table 1	In second-to-last row (Distance to unprotected openings or margin line from WL, if applicable), acceptable tolerance to read “±5%/5 cm max”.
5 (Notice 2)	3-A1/Table 1	Delete “2” from Notes, to read as follows: “Notes: 1 Deviation in % = [(base value – applicant’s value)/base value] × 100. where the “base value” may be from the approved stability information or the results of master computer using an independent program.”
Chapter 4 Section 1	Ship Arrangements Segregation of Cargo Area	
90	4-1/4	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter 4 Section 6	Ship Arrangements Air-locks	
101	4-6/3 thru 6	Re-number second instance of Subsection 4-6/3 as 4-6/4 and subsequent Subsections accordingly.
Chapter 4 Section 8	Ship Arrangements Athwartships, Bow, Stern and Turret (Internal/External) Loading and Unloading Arrangements	
106	4-8/9	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter 4 Section 10	Ship Arrangements Access	
109	4-10	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter 4 Section 11	Ship Arrangements Emergency Escape and Safe Refuge	
111	4-11	In last line, “Bureau” to read “ABS”.

Page No.	Paragraph	Comments
Chapter Section 6 1	Process Pressure Vessels and Liquid, Vapor and Pressure Piping Systems General	
169	6-1/1	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
169	6-1/2	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
169	6-1/3	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter Section 6 2	Process Pressure Vessels and Liquid, Vapor and Pressure Piping Systems Cargo and Process Piping	
171	6-2/1	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter Section 6 6	Process Pressure Vessels and Liquid, Vapor and Pressure Piping Systems Ship’s Cargo Hoses	
181	6-6/2	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter Section 9 1	Cargo Tank, Cargo Handling, Cargo Process and Piping Overprotection and Vent System General	
217	9-1/1	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter Section 9 2	Cargo Tank, CARGO Handling, Cargo Process and Piping Overprotection and Vent System Pressure relief Systems	
220	9-2/6	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter Section 9 4	Cargo Tank, CARGO Handling, Cargo Process and Piping Overprotection and Vent System Size of Valves	
225	9-4/2	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter Section 11 1	Electrical Installations General	
239	11-1	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter Section 12 1	Fire Protection And Fire Extinction Fire Safety Requirements	
245	12-1/2	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.

Page No.	Paragraph	Comments
Chapter Section 13 1	Mechanical Ventilation in the Cargo Area Spaces Required to be Entered During Normal Cargo Handling Operations	
259	13-1	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
261	13-1/9.3	Reference “1-1-A3/5.3 of the ABS Rules for Building and Classing Steel Vessels” to read “1-1-A3/5.3 of the ABS Rules for Conditions of Classification (Part 1)”.
Chapter Section 14 1	Instrumentation (Gauging, Gas Detection and Cargo Handling Controls) General	
267	14-1	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter Section 14 3	Instrumentation (Gauging, Gas Detection and Cargo Handling Controls) Overflow Control (If Applicable)	
271	14-3/1	Reference “6-6/4” to read “6-5/3”.
Chapter Section 15 1	Use of Cargo as Fuel General	
283	15-1	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
283	15-1/4	Reference “ABS Guide for Design and Installations of Dual Fuel Engines” to read “ABS Guide for Propulsion Systems for LNG Carriers”.
283	15-1/4	Reference “ABS Guide for Propulsion Systems for LNG Carriers” to read “applicable sections of Part 5C, Chapter 8 of the Steel Vessel Rules”.
Chapter Section 17 1	Surveys Surveys During Construction, Installation and Commissioning	
303	17-1/1	Delete “The documentation requirements for review are given in 3-1/3 of this Guide.”.
305	17-1/2.3.1(g)	Reference “ABS Guide for Shipbuilding and Repair Quality Standard for Hull Structures During Construction” to read “IACS Recommendation No. 47”.
305	17-1/2.4	Re-number Subparagraph 3.7.2 as Subparagraph 2.4.2.
307	17-1/2.10.1	Reference “ABS Guide for Building and Classing Facilities on Offshore Installations” to read “ABS Rules for Building and Classing Facilities on Offshore Installations”.
Chapter Section 17 2	Surveys Surveys After Construction and Maintenance of Class	
2 (Notice 7)	17-2/1	Delete second paragraph: “The requirements of the ABS Rules for Survey After Construction (Part 7) are intended to define the general scope of required surveys. Because of the varied design concept for CNG carriers, it is not considered practicable to establish a firm schedule of requirements. The periodical surveys are to be carried out in accordance with the reviewed inspection plan to confirm the fitness of the CNG carrier for continued operation. The Inspection Plan should cover all surveys for the life of the CNG carrier.”

Page No.	Paragraph	Comments
Chapter 17 Section 2	Surveys Surveys After Construction and Maintenance of Class	
2 (Notice 7)	17-2/2	Add new Subsection 17-2/2: "2 Surveys After Construction The requirements for Survey after Construction in this Guide refer to the following applicable Chapters of the independent booklet, <i>ABS Rules for Survey After Construction (Part 7)</i> : <p style="text-align: center;">CHAPTER 1 Conditions for Survey After Construction CHAPTER 2 Survey Intervals CHAPTER 3 Hull Surveys CHAPTER 4 Drydocking Surveys CHAPTER 5 Tailshaft Surveys CHAPTER 6 Machinery Surveys CHAPTER 7 Boiler Surveys CHAPTER 8 Shipboard Automatic and Remote-control Systems CHAPTER 9 Survey Requirements for Additional Systems and Services</p> APPENDIX"
314	17-2/2.5	Reference "Appendix 7-A-14 "Guide for Survey Based on Preventative Maintenance Techniques" of the <i>ABS Rules for Survey After Construction (Part 7)</i> " to read, "Appendix 7-A-14 "Surveys Based on Preventative Maintenance Techniques" of the <i>ABS Rules for Survey After Construction (Part 7)</i> ".
319	17-2/3.2.1(f)	Reference "17-2/3.3iv)" to read "17-2/3.3.iv)".
339	17-2/3.4.8(a)	Reference " <i>ABS Facilities Guide</i> " to read " <i>ABS Facilities Rules</i> ".
346	17-2/3.8.5(a)	Reference "the <i>ABS Guide for the Class Notation Tailshaft Condition Monitoring (TCM)</i> " to read "4-3-2/13 of the <i>Steel Vessel Rules</i> ".
346	17-2/3.8.5(b)i)	Reference "the <i>ABS Guide for the Class Notation Tailshaft Condition Monitoring (TCM)</i> " to read "4-3-2/13 of the <i>Steel Vessel Rules</i> ".
Chapter 17 Section 3	Surveys Risk-based Surveys for Maintenance of Class	
348	17-3/3.1.1	Reference "Appendix 7-A-14 "Guide for Survey Based on Preventative Maintenance Techniques" of the <i>ABS Rules for Survey After Construction (Part 7)</i> " to read, "Appendix 7-A-14 "Surveys Based on Preventative Maintenance Techniques" of the <i>ABS Rules for Survey After Construction (Part 7)</i> ".
349	17-3/4	Reference "Chapter 3, Section 2" to read "17-2/1.3".