

GUIDE FOR BUILDING AND CLASSING

VESSELS INTENDED TO CARRY COMPRESSED NATURAL GASES IN BULK APRIL 2005

NOTICE NO. 7 – January 2017

The following Changes were approved by the ABS Rules Committee on 23 May 2016 and become **EFFECTIVE AS OF 1 JANUARY 2017.**

(See <http://www.eagle.org> for the consolidated version of the Guide for Vessels Intended to Carry Compressed Natural Gases in Bulk, 2005 with all Notices and Corrigenda incorporated.)

Notes - The date in the parentheses means the date that the Rule becomes effective for new construction based on the contract date for construction. (See 1-1-4/3.3 of the ABS Rules for Conditions of Classification (Part 1).)

CHAPTER 3 SHIP SURVIVAL CAPABILITY AND LOCATION OF CARGO TANKS

APPENDIX 1 ONBOARD COMPUTERS FOR STABILITY CALCULATIONS

TABLE 1
Acceptable Tolerances (2017)

<i>Hull Form Dependent</i>	<i>Acceptable Tolerance ⁽¹⁾</i>
Displacement	2%
Longitudinal center of buoyancy, from AP	1% or 50 cm, whichever is less
Vertical center of buoyancy	1% or 5 cm, whichever is less
Transverse center of buoyancy	0.5% of <i>B</i> or 5 cm, whichever is less
Longitudinal center of flotation, from AP	1% or 50 cm, whichever is less
Moment to trim 1 cm	2%
Transverse metacentric height	1% or 5 cm, whichever is less
Longitudinal metacentric height	1% or 50 cm, whichever is less
Cross curves of stability	5 cm
<i>Compartment Dependent</i>	<i>Acceptable Tolerance ⁽¹⁾</i>
Volume or deadweight	2%
Longitudinal center of gravity, from AP	1% or 50 cm, whichever is less
Vertical center of gravity	1% or 5 cm, whichever is less
Transverse center of gravity	0.5% of <i>B</i> or 5 cm, whichever is less
Free surface moment	2%
Shifting moment	5%
Level of contents	2%

<i>Trim and Stability</i>	<i>Acceptable Tolerance ⁽¹⁾</i>
Drafts (forward, aft, mean)	1% or 5 cm, whichever is less
GMt	1% or 5 cm, whichever is less
GZ values	1% or 5 cm, whichever is less
FS correction	2%
Downflooding angle	2°
Equilibrium angles	1°
Distance to unprotected openings or margin line from WL, if applicable	±5% or 5 cm, whichever is less
Areas under righting arm curve	5% or 0.0012 mrad

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 17 SURVEYS

SECTION 2 SURVEYS AFTER CONSTRUCTION AND MAINTENANCE OF CLASS (2017)

1 General

(Revise Subsection 17-2/1, as follows:)

A survey plan for the cargo containment system shall be developed and submitted for approval. The plan shall identify areas that require examination and testing during special surveys throughout the cargo containment system’s life based upon the system’s design parameters. Cargo containment systems shall be designed, constructed and equipped to provide adequate means of access to areas that need inspection as specified in the survey plan.

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.

(Delete remainder of chapter 17, Section 2.)