



## **GUIDE FOR BUILDING AND CLASSING**

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**YACHTS  
2018**

**NOTICES AND  
GENERAL INFORMATION**

**American Bureau of Shipping  
Incorporated by Act of Legislature of  
the State of New York 1862**

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## Notices and General Information

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# Notices and General Information

## Introduction

1. The year 2018 edition of the *Guide for Building and Classing Yachts* consists of the nine (9) booklets as shown in Table 1. With regard to three booklets, Part 1, Part 2, and Part 7:
  - a) The purpose of the generic title *ABS Rules for Conditions of Classification (Part 1)* is to reflect the expanded contents of PART 1, as a result of including consolidated requirements for “Classification” applicable to all types of and sizes of yachts. Additional specific requirements are contained in Chapters 2 and 3 of Part 1.
  - b) The purpose of the generic title *ABS Rules for Materials and Welding* of PART 2 is to emphasize the common applicability of the requirements to ABS-classed vessels, other marine structures and their associated machinery, and thereby make PART 2 more readily a common “PART” of various ABS Rules and Guides, as appropriate.
  - c) The purpose of the generic title *ABS Rules for Survey After Construction (Part 7)* is to reflect the expanded contents of PART 7, as a result of including consolidated requirements for “Surveys After Construction” applicable to all types and sizes of vessels, barges and specific shipboard arrangements/systems, etc., as specified in Part 7, Chapter 1, Section 1.
2. The numbering system applied in the Rules is shown in Table 2.
3. The effective date of each technical change since 1993 is shown in parenthesis at the end of the subsection/paragraph titles within the text of each Part. Unless a particular date and month are shown, the years in parentheses refer to the following effective dates:

(2000) and after	1 January 2000 (and subsequent years)	(1996)	9 May 1996
(1999)	12 May 1999	(1995)	15 May 1995
(1998)	13 May 1998	(1994)	9 May 1994
(1997)	19 May 1997	(1993)	11 May 1993
4. Until the next edition of the *Guide for Building and Classing Yachts* is published, Rule Change Notices and/or Corrigenda, as necessary, will be published on the ABS website – [www.eagle.org](http://www.eagle.org) – only, and will be available free for downloading. It is not intended to publish hard copies of future Rule Change Notices and/or Corrigenda to existing Rules or Guides. The consolidated edition of the *Guide for Building and Classing Yachts*, which includes Rule Change Notices and/or Corrigenda using different colors for easy recognition, will be published on the ABS website only when RCN and/or Corrigenda are issued.
5. The listing of CLASSIFICATION SYMBOLS AND NOTATIONS is available from the ABS website [www.eagle.org](http://www.eagle.org) for download.

**TABLE 1  
Applicable Editions of Booklets Comprising 2018 Guide**

Notices and General Information		2018
Part 1:	Rules for Conditions of Classification <sup>(1)</sup>	2018 <sup>(2)</sup>
Part 1:	Conditions of Classification (Supplement to the ABS <i>Rules for Conditions of Classification</i> ) <sup>(1)</sup>	2018
Part 2:	Rules for Materials and Welding Rules for Testing and Certification of Materials Rules for Welding and Fabrication	2018 <sup>(2)</sup>
Part 2:	Rules for Materials and Welding – Aluminum and Fiber Reinforced Plastics (FRP)	2018 <sup>(2)</sup>
Part 3:	Hull Construction and Equipment	2018
Part 4:	Vessel Systems and Machinery	2018
Part 5:	Specialized Yachts and Services	2018
Part 7:	Rules for Survey After Construction	2018 <sup>(2)</sup>

*Notes:*

- 1 The requirements for conditions of classification are contained in the separate, generic *ABS Rules for Conditions of Classification (Part 1)*. Additional specific requirements are contained in Part 1 of these Rules.
- 2 The latest edition of these Rules is to be referred to. These Rules may be downloaded from the ABS website at [www.eagle.org](http://www.eagle.org), Rules and Guides, Downloads or may be ordered separately from the ABS Publications online catalog at [www.eagle.org](http://www.eagle.org), Rules and Guides, Catalog.

**TABLE 2  
Division and Numbering of Rules and Guides**

<i>Division</i>	<i>Number</i>
Part	Part 1
Chapter	Part 1, Chapter 1
Section	Section 1-1-1
Subsection (see Note 1)	1-1-1/1
Paragraph (see Note 1)	1-1-1/1.1
Subparagraph	1-1-1/1.1.1
Item	1-1-1/1.1.1(a)
Subitem	1-1-1/1.1.1(a)i
Appendix	Appendix 1-1-A1 or Appendix 1-A1-1

*Note:*

- 1 An odd number (1, 3, 5, etc.) numbering system is used for the Rules and Guides. The purpose is to permit future insertions of even-numbered paragraphs (2, 4, 6, etc.) of text and to avoid the necessity of having to renumber the existing text and associated cross-references, as applicable, within the Rules and associated process instructions, check sheets, etc.

Change Notice (2018)

**TABLE 3**  
**Summary of Changes from the 2017 Guide**

**EFFECTIVE DATE 1 July 2017** – shown as (1 July 2017)  
(based on the contract date for new construction between builder and Owner)

<i>Part/Para. No.</i>	<i>Title/Subject</i>	<i>Status/Remarks</i>
<b>PART 4</b>	<b>Machinery and Systems</b>	
4-3-3/11.3.5 (New)	System Response Under Failure	To detect failure in the steering gear control system and provide the operator with sufficient information to decide what action is required for the different failure scenarios, in line with IACS UR E25 June 2016. (Incorporates Notice No. 1)
4-3-3/11.9.7	Low Oil Level Alarm	To detect failure in the steering gear control system and provide the operator with sufficient information to decide what action is required for the different failure scenarios, in line with IACS UR E25 June 2016. (Incorporates Notice No. 1)
4-3-3/11.9.12 (New)	Earth Fault	To detect failure in the steering gear control system and provide the operator with sufficient information to decide what action is required for the different failure scenarios, in line with IACS UR E25 June 2016. (Incorporates Notice No. 1)
4-3-3/11.9.13 (New)	Deviation	To require a deviation alarm in addition to basic failure detection, in line with IACS UR E25 June 2016. (Incorporates Notice No. 1)
4-4-1/9.19.3(c)	Fire Resistance	To clarify the cases in which flexible hoses need not be of fire-resistant type. (Incorporates Notice No. 1)
4-6-2/7.9	Harmonics	To specify that the harmonic distortion calculation report is to be kept on board for exceptions to the 8% limit in cases where all installed equipment and systems have been designed for higher THD levels, in line with IACS UR E24 June 2016. (Incorporates Notice No. 1)
4-6-2/9.18 (New)	Harmonic Distortion for Craft Electrical Distribution System including Harmonic Filters	To introduce requirements for survey of harmonic filters and harmonic distortion levels, in line with IACS UR E24 June 2016. (Incorporates Notice No. 1)
4-6-2/9.19	Protection of Harmonic Filter Circuits Associated with Electric Propulsion	To introduce requirements for survey of harmonic filters and harmonic distortion levels, in line with IACS UR E24 June 2016. (Incorporates Notice No. 1)
4-6-4/13.1.1	General	To identify the standards that have been withdrawn or replaced by new ones and to consider approaches for cables not manufactured to IEC standards identified, in line with IACS UR E7 Rev.4 Apr. 2016. (Incorporates Notice No. 1)
4-7-4/Table 4A	Monitoring of Propulsion Machinery – Slow Speed (Crosshead) Diesel Engines	To require turbocharger speed alarm for Categories B and C turbochargers, in line with IACS UR M35 rev. 7 Mar. 2016. (Incorporates Notice No. 1)
4-7-4/Table 4B	Monitoring of Propulsion Machinery – Medium/High Speed (Trunk Piston) Diesel Engines	To require turbocharger speed alarm for Categories B and C turbochargers, in line with IACS UR M35 rev. 7 Mar. 2016. (Incorporates Notice No. 1)
4-7-4/Table 6B	Instrumentation and Safety System Functions in Centralized Control Station – Generator Prime Mover for Electric Propulsion	To require turbocharger speed alarm for Categories B and C turbochargers, in line with IACS UR M35 rev. 7 Mar. 2016. (Incorporates Notice No. 1)
4-7-4/Table 7	Monitoring of Auxiliary Prime-movers and Electrical Generators	To require turbocharger speed alarm for Categories B and C turbochargers, in line with IACS UR M35 rev. 7 Mar. 2016. (Incorporates Notice No. 1)

**EFFECTIVE DATE 1 September 2017** – shown as (1 September 2017)

<i>Part/Para. No.</i>	<i>Title/Subject</i>	<i>Status/Remarks</i>
<b>PART 1</b>	<b>Conditions of Classification (Supplement to the ABS Rules for Conditions of Classification)</b>	
1-1-3/3	Machinery	To better define the <b>⊗ AMS</b> notation as applicable to yachts and to introduce the <b>(⊗) AMS</b> notation. (Incorporates Notice No. 2)

**EFFECTIVE DATE 1 September 2017** – shown as (1 September 2017)  
(based on the contract date for new construction between builder and Owner)

<i>Part/Para. No.</i>	<i>Title/Subject</i>	<i>Status/Remarks</i>
<b>PART 5</b>	<b>Specialized Yachts and Services</b>	
5-1-1/7.3	Machinery	To better define the <b>⊗ AMS</b> notation as applicable to yachts and to introduce the <b>(⊗) AMS</b> notation. (Incorporates Notice No. 2)

**EFFECTIVE DATE 1 January 2018** – shown as (2018)  
(based on the contract date for new construction between builder and Owner)

<i>Part/Para. No.</i>	<i>Title/Subject</i>	<i>Status/Remarks</i>
<b>PART 3</b>	<b>Hull Construction and Equipment</b>	
3-1-1/3.1	Scantling Length ( <i>L</i> )	To align the requirements with ICLL 1966/Reg. 3 & IACS UR S2.
3-1-1/3.3	Freeboard Length ( <i>L<sub>f</sub></i> )	To align the requirements with ICLL 1966/Reg. 3 & IACS UR S2.
3-1-1/11.1	Freeboard Deck	To align the requirements with ICLL 1966/Reg. 3 & IACS UR S2.
3-2-9/Figure 3	Tapered Couplings	To be consistent with the requirements of 3-2-9/11.7.
3-2-9/17.5	Diaphragm Plates	To allow larger openings on diaphragm plates when the effects of openings are considered in the strength assessment.
3-3-A2 (Title)	Computer Software for Onboard Stability Calculations	To align the Rules with IACS UR L5, Revision 3.
3-3-A2/5	Types of Stability Software	To align the Rules with IACS UR L5, Revision 3.
3-3-A2/7.1	Calculation Program	To align the Rules with IACS UR L5, Revision 3.
3-3-A2/7.5	Warning	To align the Rules with IACS UR L5, Revision 3.
3-3-A2/7.15 (New)	Computer Model	To align the Rules with IACS UR L5, Revision 3.
3-3-A2/7.17 (New)	Further Requirements for Type 4 Stability Software	To align the Rules with IACS UR L5, Revision 3.
3-3-A2/Table 1	Acceptable Tolerances	To align the Rules with IACS UR L5, Revision 3.
3-3-A2/11.1	Conditions of Approval of the Onboard Software for Stability Calculations	To align the Rules with IACS UR L5, Revision 3.
3-3-A2/11.5	Specific Approval	To align the Rules with IACS UR L5, Revision 3.
3-3-A2/15	Installation Testing	To align the Rules with IACS UR L5, Revision 3.
3-7-1	Tank, Bulkhead and Rudder Tightness Testing	To reflect the comments from Administrations, Industry Organizations and IMO considered during review of the proposed Testing Guidelines associated with SOLAS Chapter II-1, Regulation 11, reflected in IACS UR S14 (Rev.6, Sept 2016).

## Notices and General Information

<i>Part/Para. No.</i>	<i>Title/Subject</i>	<i>Status/Remarks</i>
<b>PART 4</b>	<b>Machinery and Systems</b>	
4-5-2/11.1.2	Design	To clarify the requirements for the pressure rating of the distribution pipe.
4-5-2/11.1.3	Alarm	To align the requirements with IACS UI SC132 (Rev.4).
4-6-2/5.1.1	Location	To explicitly prohibit the installation of other unrelated equipment in the emergency generator room.
4-6-3/Table 1	Minimum Degree of Protection	To permit plugs and socket outlets installed in hazardous areas, in line with IEC 61892-7 Para. 8.11.1 and IEC 60079-14 Para. 5.13.
4-6-4/Table 6	Clearance and Creepage Distance for Switchboards, Distribution Boards, Chargers, Motor Control Centers and Controllers	To align the requirement with IEC 60092-302 and IEC 61892-3.
4-6-4/Table 7	Equipment and Instrumentation for Switchboard	To provide a reference to the requirements for high voltage systems.
4-6-5/1.3.5	Earth Fault Detection and Indication	To clarify the requirements for audible and visual indication of earth faults for high voltage systems.
4-7-1/5.47 (New)	Worst Case Execution Time (WCET)	To define terms used in 4-7-1/7.25, in line with ISO 17894:2005 and IEC 61508-3.
4-7-1/5.49 (New)	Worst Case Response Time (WCRT)	To define terms used in 4-7-1/7.25, in line with ISO 17894:2005 and IEC 61508-3.
4-7-1/7.25 (New)	Programmable Electronic System (PES)	To mitigate the danger of critical alarms missing their deadlines.
4-7-4/29.1.1	General	To clarify the number of bilge level switches/sensors required for vessels with <b>ACC</b> or <b>ACCU</b> notation, in line with IAC UR M27.
4-7-4/33.3.6	<No Title>	To require that weathertight doors fitted in the engine casing bulkhead also be a type of self-closing door or could be closed from fire control station, to prevent the release of CO <sub>2</sub> from the unintentional remaining opened doors when fixed CO <sub>2</sub> system in engine room is active and to align the requirements for a high-expansion foam fire extinguishing system with IACS UI SC262.