

Rules for Building and Classing

Light Warships, Patrol and High-Speed Naval Vessels

Notices and General Information



July 2023



RULES FOR BUILDING AND CLASSING

**LIGHT WARSHIPS, PATROL AND HIGH-SPEED NAVAL
VESSELS
JULY 2023**

**NOTICES AND
GENERAL INFORMATION**

**American Bureau of Shipping
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Notices and General Information

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Notices and General Information

Introduction

1. The year 2023 edition of the *Rules for Building and Classing Light Warships, Patrol and High-Speed Naval Vessels* consists of the seven (7) 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 – High-Speed Craft (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 high-speed craft as specified in the Foreword to Part 1. Additional specific requirements are contained in Chapter 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 primary changes from the January 2023 Rules are identified and listed in Table 3. The effective date of the indicated Rule Changes is 1 July 2023, unless specifically indicated otherwise.
4. 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

For certain changes that have a major impact on shipyards, designers and vendors, ABS has instituted a two-year Rule cycle to give the industry more time to prepare for these changes. The text of these changes will appear in a box along with the effective date just under the existing Rule requirement.

5. The listing of CLASSIFICATION SYMBOLS AND NOTATIONS is available from the ABS website www.eagle.org for download.

TABLE 1
Applicable Editions of Booklets Comprising July 2023 Light and High-Speed Naval Vessel Rules

Notices and General Information		July 2023
Part 1:	Rules for Conditions of Classification – High-Speed Craft	July 2023*
Part 2:	Rules for Materials and Welding Rules for Testing and Certification of Materials Rules for Welding and Fabrication	July 2023*
Part 2:	Rule Requirements for Materials and Welding – Supplementary Requirements for Naval Vessels	2000*
Part 3:	Hull Construction and Equipment	January 2023
Part 4:	Craft Systems and Machinery	July 2023
Part 7:	Rules for Survey After Construction	July 2023*

* **Note:** The latest edition of these Rules is to be referred to. These Rules may be downloaded from the ABS website at www.eagle.org, Rules and Guides, Downloads or may be ordered separately from the ABS Publications online catalog at www.eagle.org, Rules and Guides, Catalog.

TABLE 2
Division and Numbering of Rules

<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. 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.

Rule Change Notice (1 July 2023)

TABLE 3
Summary of Changes from the January 2023 Rules

EFFECTIVE DATE 1 July 2023 – shown as (1 July 2023)

<i>Part/Para. No.</i>	<i>Title/Subject</i>	<i>Status/Remarks</i>
PART 1	Rules for Conditions of Classification – High-Speed Craft	
1-1-3/11	Classification Symbols and Notations	To remove the requirement for PQA and add thrusters to the equipment for clarification and to add commentary for when OEM does not have full Type Approval.
1-1-6/13	Submission of Plans	To simplify the plan submittal process and align it with our legal duty to verify compliance with IMO, IACS requirements related to Asbestos-free declaration. This newly created section proposes a consolidated ABS policy regarding Asbestos-free declaration whereby individual declarations are no longer necessary.

EFFECTIVE DATE 1 July 2023 – shown as (1 July 2023)
(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>
PART 4	Craft Systems and Machinery	
4-2-1/13.2.1	Diesel Engines	To update 4-2-1/13.2.1 to include specific reference to include engine fluid system cleaning and flushing items to the quality plan.
4-2-1/Table 1	Diesel Engines	To remove redundant text “The FMEA reports required will not be explicitly approved by ABS”, in line with IACS UR M44 Rev.10 Corr.1.
4-3-4/13.1.9	Steering Gears	To specify that a system response without manual intervention is not mandatory for mechanical failures such as hydraulic locking, in line with IACS UR E25 Rev.2.
4-3-5/3.3.3	Thrusters	To add the requirements for Certification Under Quality Assurance Assessment to be applied for thrusters in PQA program.
4-3-7/1, 3, 5, 9, 13	Propulsion Redundancy	To add requirements for R2-N notation and for Operation Manual to include (Engineering Operation Sequencing System (EOSS).
4-6-3/1, 5.11, 5.11.5, 21	Plastic Piping	To clarify “existing fire endurance”, provide requirements for test specimens and onboard testing, in line with IACS UR P4 Rev.7.
4-6-6/15	Other Piping Systems	To add requirements for refrigeration plants for HVAC application which are not addressed in Part 6 Chapter 2 as they are only intended for Cargo Refrigeration.
4-7-1/23.3.1(f), (h)	Fire Extinguishing Systems and Equipment	To specify requirements for isolator modules on ship cabin balconies, in line with IMO Res. MSC.484(103).
4-8-1/5.5.1	General Provisions	To expand and clarify document submission requirements for rotating machinery.
4-8-3/3.15.5, 3.15.10, 3.17, Table 3	Electrical Equipment	To prevent incidents of generator failures by adding additional requirements for factory testing.