

Rules for Building and Classing

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# Floating Production Installations

Notices and General Information



July 2023



**RULES FOR BUILDING AND CLASSING**

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**FLOATING PRODUCTION INSTALLATIONS  
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 2023 edition of the *Rules for Building and Classing Floating Production Installations* consists of the ten (10) Parts as shown in Table 1. In general, these seven Parts subdivide these Rules into parts that are more consistent with other ABS Rules. With regard to two Parts, Part 1, and Part 2:
  - a) The purpose of the generic title *ABS Rules for Conditions of Classification – Offshore Units and Structures (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 units, installations, vessels or systems in offshore service, etc., as specified in the Foreword to Part 1. Additional specific requirements are contained in Part 1 of these *Rules for Building and Classing Floating Production Installations*.
  - 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.
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](http://www.eagle.org) for download.

**TABLE 1**  
**Applicable Editions of Booklets Comprising July 2023 FPI Rules**

| <b>Rules for Building and Classing Floating Production Installations</b>                                      |   |              |
|---|---|--------------|
| Notices and General Information   |   | July 2023    |
| Part 1:   | Conditions of Classification (Supplement to the ABS Rules for Condition of Classification – Offshore Units and Structures) <sup>(1)</sup> | July 2023    |
| Part 3:   | Installation Types, Functions, Features and General Requirements  | July 2023    |
| Part 4:   | Units Systems (Process and Import/Export)   | January 2023 |
| Part 5A:  | Ship-Type Installations   | July 2023    |
| Part 5B:  | Other Installation Types  | January 2023 |
| Part 6:   | Mooring Systems   | January 2023 |
| Part 7:   | Surveys After Construction  | July 2023    |
| <b>Rules for Conditions of Classification – Offshore Units and Structures – not included <sup>(1,2)</sup></b> |   |              |
| Part 1:   | Rules for Conditions of Classification – Offshore Units and Structures  | July 2023    |
| <b>Rules for Materials and Welding – not included <sup>(2)</sup></b>  |   |              |
| Part 2:   | Rules for Materials and Welding   | July 2023    |

**Notes:**

- 1 The requirements for conditions of classification are contained in the separate, generic ABS *Rules for Conditions of Classification – Offshore Units and Structures (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**

| <b><i>Division</i></b>  | <b><i>Number</i></b>               |
|-------------------------|------------------------------------|
| 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)  
(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 1</b>         | <b>Conditions of Classification</b>                                     |  |
| 1-1-4/1               | Submission of Plans, Data and Calculations                              | To indicate that arrangement and details of any appurtenance structure and overboard piping connected outside the hull are to be submitted for review by ABS.  |
| <b>PART 3</b>         | <b>Installation Types, Functions, Features and General Requirements</b> |  |
| 3-3-1/19ii), iii)     | All Installations   | To clearly indicate that produced water tanks are to be protected with chemically resistant coating.   |
| 3-3-1/21              | All Installations   | To state that arrangement and details of appurtenance structures and piping attached outside to the hull are to be submitted for review by ABS.  |
| <b>PART 5A</b>        | <b>Ship-Type Installations</b>  |  |
| 5A-1-4/1              | Design and Analysis of Other Major Hull Structural Features             | To clearly define the scope of module/equipment hull interface structure design.   |
| 5A-2-1/5.6.1, 5.6.2   | General   | To clarify that maximum hull-girder loads are to be applied to FE model for conversions and in-service conditions.   |
| 5A-3-1/5.19.3         | General   | To clarify that for conversions, PMA is to be in line with SOLAS requirements applicable to the Oil Tanker based on original construction date.  |
| 5A-3-1/5.39           | General   | To clarify that the intent behind the additional slop tank is to have a tank available to operate independently as a slop tank in case when the two (2) slop tanks required by MARPOL are out of service, either due to inspection or undergoing repairs prior to completion of the Special Survey Hull. |

**Part 7 “Surveys”**

The reference date which is indicated in the parentheses following the title of the requirement in this Part is the date that the requirement becomes effective [e.g., 7-2-1/21 “Conditions for Surveys After Construction” (1 July 2023) is to apply for installations undergoing survey on or after 1 July 2023].

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

| <i>Part/Para. No.</i> | <i>Title/Subject</i>                      | <i>Status/Remarks</i>   |
|-----------------------|---|---|
| <b>PART 7</b>         | <b>Surveys</b>                            |   |
| 7-1-3/7.1             | Surveys of the Mooring System             | To make it completely clear that Kenter shackles are not permitted for permanent mooring, in line with a PRC to 3/7.5.1vii of the Position Mooring Guide. |
| 7-2-1/21              | Conditions for Surveys After Construction | To ensure the condition of the units that are re-deployed is satisfactory and the service life of the coatings covers the field life at new location.     |
| 7-2-1/Table 1         | Conditions for Surveys After Construction | To clarify and correct mismatching requirements with 3-3-1/19.  |
| 7-2-4/23.3, 23.5      | Annual Surveys                            | To clarify that the portable industrial module surveys are to be conducted as part of the Annual Survey.  |
| 7-2-5/3.1.5           | Intermediate Surveys                      | To provide alternative to the third slop tank to operate independently from the two (2) formal Slop Tanks.  |

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| <i>Part/Para. No.</i> | <i>Title/Subject</i>             | <i>Status/Remarks</i>  |
|-----------------------|----------------------------------|--|
| 7-2-6/1, 3.1.6(a)     | Special Periodical Surveys (SPS) | To require the installation of wearplates (doublers) under the suction bellmouths on single bottom FPSOs to address recent Oil Pollution incidents and to expand application of requirements for inspection of bottom plating under suction lines and bellmouths to reduce incidents of bottom holes in tanks other than COTs. |
| 7-2-6/3.1.6(f)        | Special Periodical Surveys (SPS) | To provide alternative to the third slop tank to operate independently from the two (2) formal Slop Tanks.   |