



## **RULES FOR BUILDING AND CLASSING**

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# STEEL VESSELS UNDER 90 METERS (295 FEET) IN LENGTH 2019

## **PART 1 CONDITIONS OF CLASSIFICATION (Supplement to the ABS Rules for Conditions of Classification)**

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

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# PART

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## Foreword (1 January 2008)

For the 2008 edition, Part 1, “Conditions of Classification” was consolidated into a generic booklet, entitled *Rules for Conditions of Classification (Part 1)* for all vessels other than those in offshore service. The purpose of this consolidation was to emphasize the common applicability of the classification requirements in “Part 1” to ABS-classed vessels, other marine structures and their associated machinery, and thereby make “Conditions of Classification” more readily a common Rule of the various ABS Rules and Guides, as appropriate.

Thus, this supplement specifies only the unique requirements applicable to steel vessels under 90 meters (295 feet) in length. This supplement is always to be used with the aforementioned *Rules for Conditions of Classification (Part 1)*.

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Conditions of Classification

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[See also separately published booklet *ABS Rules for Conditions of Classification (Part 1)*]

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CHAPTER 1 Scope and Conditions of Classification

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CHAPTER 1 Scope and Conditions of Classification

SECTION 1 Classification (*1 January 2008*)

The requirements for conditions of classification are contained in the separate, generic *ABS Rules for Conditions of Classification (Part 1)*.

Additional requirements specific to steel vessels under 90 meters (295 feet) in length are contained in the following Sections of this Part.

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SECTION 2 Classification Symbols and Notations (*1 July 2015*)

A listing of Classification Symbols and Notations available to the Owners of vessels, offshore drilling and production units and other marine structures and systems, “List of ABS Notations and Symbols” is available from the ABS website “<http://www.eagle.org>”.

Notations for specific vessel types are given in each Chapter of Part 5 of these Rules.

1 Equipment Symbol (*1 September 2017*)

The symbol **ⓔ** placed after the symbols of classification, thus: **ⓧ A1 ⓔ**, will signify that the equipment of anchors and chain cables of the vessel is in compliance with the requirements of the Rules or with requirements corresponding to the service limitation noted in the vessel’s classification, which have been specially approved for the particular service. Guides and subsequent changes to Guides are to become effective on the date specified by ABS.

For steel vessels under 90 meters (295 feet) in length, which have not been built under ABS survey, the optional equipment notation **ⓔ-(R)** may be assigned to the vessel’s equipment, provided the existing anchors, chains and anchor windlass are confirmed certified by another recognized Classification Society. The available manufacturer’s and classification test certificates and plans associated with the anchors, chains and windlass, as applicable, are to be submitted to ABS for reference and verification of Equipment Numeral.

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### SECTION 3 Rules for Classification (*1 January 2008*)

#### 1 Application of Rules

##### 1.1 **General** (*2016*)

These Rules are applicable to self-propelled steel vessels under 90 meters (295 feet) in length intended for unrestricted ocean service, except where specifically mentioned otherwise. Oil Carriers, Chemical Carriers, Gas Carriers, Ore Carriers, Bulk Carriers, Fire Fighting Vessels, Oil Spill Recovery Vessels, Escort Vessels, Towing Service Vessels, Fishing Vessels, etc., are to be in accordance with the requirements of Part 5 of these Rules, the *Steel Vessel Rules*, or the *OSV Rules*, as applicable.

Where reference is made herein to the *Steel Vessel Rules*, the latest edition of those Rules is intended.

These requirements are applicable to those features that are permanent in nature and can be verified by plan review, calculation, physical survey or other appropriate means. Any statement in the Rules regarding other features is to be considered as guidance to the designer, builder, Owner, et al.

##### 1.3 **Application** (*2005*)

The application of the Rules is, in general, based on the contract date for construction between the shipbuilder and the prospective owner. (e.g., Rules which became effective on 1 July 2004 are not applicable to a vessel for which the contract for construction was signed on 30 June 2004.) See also 1-1-4/3 of the *ABS Rules for Conditions of Classification (Part 1)*.



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### SECTION 4 Submission of Plans

(2011) Hull and machinery plans, as required below, are to be submitted to ABS for review and approval. Plans from designers and shipbuilders should generally be submitted electronically. However, hard copies will also be accepted. All plan submissions originating from manufacturers are understood to be made with the cognizance of the shipbuilder. A fee may be charged for the review of plans for which there is no contract of classification.

#### 1 Hull Plans

Plans showing the arrangements, scantlings, details of principal parts of the hull structure and welding details of each vessel to be built under survey are to be submitted and approved before construction is commenced. These plans are to include such particulars as the design draft and design speed. Where provision is to be made for any special type of cargo or for any exceptional conditions of loading, particulars of the weights and of their distribution are also to be given. In general, the following plans are to be submitted for review or reference.

- Anchor handling arrangements
- Bottom construction, floors, girders, etc.
- Bow framing
- Capacity plan
- Damage Control plan
- Deck plans
- Framing plan
- General Arrangement
- Hatches and hatch-closing arrangements
- Inner bottom plating
- Lines and body plan
- Machinery casings, engine and main auxiliary foundations
- Midship section
- Miscellaneous non-tight bulkheads which are used as structural supports
- Pillars and girders
- Scantling profile and decks
- Shaft struts
- Shaft tunnels
- Shell expansion
- Stem

- Stern frame and rudder
- Stern framing
- Superstructure and deckhouses, and their closing arrangements
- Ventilation systems on weather decks
- Vessel Specifications
- Watertight and deep-tank bulkheads
- Welding Schedule

### 3 Machinery Plans and Data

Plans and data required to be submitted to ABS for review and approval are listed in 4-1-1/7.

### 5 Additional Plans

Where certification under 1-1-5/3 or 1-1-5/5 of the *ABS Rules for Conditions of Classification (Part 1)* is requested, submission of additional plans and calculations may be required.