

# **RULES FOR HIGH SPEED CRAFT**

GUIDANCE FOR HIGH SPEED CRAFT

**Rules for High Speed Craft**  
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**2010 AMENDMENT NO.1**  
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Rule No.38 / Notice No.51      15th April 2010  
Resolved by Technical Committee on 5th February 2010  
Approved by Board of Directors on 23rd February 2010

**ClassNK**  
NIPPON KAIJI KYOKAI

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# **RULES FOR HIGH SPEED CRAFT**

**RULES**

## **2010      AMENDMENT NO.1**

Rule No.38              15th April 2010

Resolved by Technical Committee on 5th February 2010

Approved by Board of Directors on 23rd February 2010

“Rules for high speed craft” has been partly amended as follows:

**Amendment 1-1**

## **Part 2 CLASS SURVEYS**

### **Chapter 1 GENERAL**

#### **1.1 Surveys**

Paragraph 1.1.3 has been amended as follows.

##### **1.1.3 Occasional Surveys**

All classed craft are to be subjected to Occasional Surveys when they fall under one of the conditions of (1) through (6) below not at the time of Annual, Intermediate or Special Surveys or Planned Machinery Surveys. At Occasional Surveys, investigations, examinations or tests are to be made to the satisfaction of the Surveyor with respect to the matters concerned. Where Annual, Intermediate or Special Survey is carried out together with the survey of specific matters for Occasional Survey at due date of the Occasional Survey, the Occasional Survey may be dispensed with.

- (1) When main parts of hull, machinery or important equipment or fittings which have been surveyed by the Society, have been damaged, or are to be repaired or altered. In addition, in cases where the modification of any ship registration details is needed, the ship is to comply with 2.5 in addition to the above requirements.
- (2) When load lines are to be changed or to be newly marked
- (3) When an alteration affecting her stability is made.
- (4) When the Survey is requested by the craft owner.
- (5) When the Survey is carried out to verify that the craft already constructed is in compliance with the retroactive requirements of the Rules.
- (6) Whenever the survey is considered necessary by the Surveyor or by the craft owner.

## Chapter 2 CLASSIFICATION SURVEYS

### 2.5 Alterations

Paragraph 2.5.1 has been amended as follows.

#### 2.5.1 Requirements of Surveys

~~When any alterations to the hull, machinery or equipment, which affect or may affect classification are intended to be made, plans and particulars of the proposed alterations are to be submitted for approval of the Society. Such alterations are to be carried out under the inspection of, and to the satisfaction of, the Society in accordance with the relevant provisions stipulated in 2.1 of this Chapter.~~

In cases where ships classified by the Society undergo repairs, alternations, modifications and outfitting related thereto (hereinafter referred to as “modifications, etc.”), such ships are to continue to at least comply with any previously applicable requirements. Moreover, such ships, if constructed before the date on which any relevant amendments enter into force, are, as a rule, to comply with the requirements for ships constructed on or after that date to at least the same extent as they did before undergoing such modifications, etc. The modification, etc. of any main particular is to satisfy the requirements for ships constructed on or after the date on which any relevant amendments enter into force. In cases where ships undergo any modification, etc. which affects any main particulars, unless otherwise permitted by the Society, the concerned ship is to comply with requirements in force at the time of such modifications, etc.

#### EFFECTIVE DATE AND APPLICATION (Amendment 1-1)

1. The effective date of the amendments is 15 April 2010.
2. Notwithstanding the amendments to the Rules, the current requirements may apply to ships for which the date of contract for conversion is before the effective date.

## Part 2 CLASS SURVEYS

### Chapter 1 GENERAL

#### 1.1 Surveys

Paragraph 1.1.4 has been amended as follows.

##### 1.1.4 Laid-up Craft

**1** Laid-up craft are not subject to Class Maintenance Surveys specified in **1.1.2** of this Part., unless an application for Occasional Survey is submitted.

**2** When laid-up craft are about to be put into operation, the following surveys and the surveys for specific matters which have been postponed due to lay-up, if any, are to be carried out.

- (1) When any Periodical Survey or Planned Machinery Surveys designated before lay-up has not been due, ~~the coming nearest Periodical Survey or Planned Machinery Surveys which was designated before lay-up~~ a survey equivalent to the Annual Surveys specified in 3.3 and 3.6 is to be carried out.
- (2) When the Periodical Surveys or Planned Machinery Surveys designated before lay-up has already become due, these Periodical Surveys or Planned Machinery Surveys are, in general, to be carried out. However in case where two or more of the Periodical Surveys or Planned Machinery Surveys designated before lay-up have already become due, the superlative kind of Periodical Survey among them is to be carried out.

**3** ~~Where the Periodical Surveys or Planned Machinery Surveys to be carried out under the requirements of -2 correspond to Special Survey, the kind of the Special Survey is to determined according to the age of the craft~~ Surveys carried out under the requirements of -2 above are to correspond to the age of the craft.

## **Chapter 3 PERIODICAL SURVEYS AND PLANNED MACHINERY SURVEYS**

### **3.1 General**

#### **3.1.5 Modification of Requirements of Surveys**

Sub-paragraph -1 has been amended as follows.

**1** ~~At~~ With respect to Special Surveys, in cases where considered appropriate by the Society, the Surveyor may modify the requirements for Special Surveys prescribed in 3.3 to 3.10 having regard to based on the size, purpose, service engaged, age, construction, results of the last survey and actual condition of the craft or the machinery.

#### **EFFECTIVE DATE AND APPLICATION (Amendment 1-2)**

- 1.** The effective date of the amendments is 15 April 2010.
- 2.** Notwithstanding the amendments to the Rules, the current requirements may apply to the surveys for which the application is submitted to the Society before the effective date.

## Part 2 CLASS SURVEYS

### Chapter 2 CLASSIFICATION SURVEYS

#### 2.1 Classification Survey During Construction

##### 2.1.6 Documents to be Maintained on Board

Paragraph 2.1.6 has been amended as follows.

##### 2.1.6 Documents to be maintained on board

- 1 At the completion of a classification survey, the Surveyor confirms that the following drawings, plans, manuals, lists, etc., as applicable, of finished version are on board.
  - (1) Documents approved by the Society or their copies
    - (a) Loading manuals (1.4.2, Part 6)
    - (b) Stability information booklets (1.7.2, Part 8)
  - (2) Other manuals, etc.
    - (a) Fire Control Plans (3.5.1, Part 11)
  - (3) ~~Finished plans~~ Ship Construction File specified in ~~2.1.7~~ 2.1.8, for crafts of not less than 500 *gross tonnage* engaged on international voyages
- 2 Where deemed necessary by the Society considering the purpose, characteristics, etc. of the ship, the submission of additional documents may be required.
- 3 For crafts of not less than 500 *gross tonnage* engaged on international voyages, it is recommended that all documents listed in -1 above are marked with the *IMO* ship identification number.

Paragraph 2.1.8 has been added as follows.

##### 2.1.8 Ship Construction File

For crafts of not less than 500 *gross tonnage* engaged on international voyages, Surveyors are to confirm that the Ship Construction File contains all of the necessary documents from the following drawings, plans, manuals and documents, and that the Ship Construction File is on board the ship. Duplicate documents as in 2.1.6 are not required.

- (1) Finished plans of hull structural drawings specified in 2.1.7
- (2) The following manuals and documents:
  - (a) Operating and maintenance manuals for doors and inner doors
  - (b) Damage control plans
  - (c) Loading manuals (1.4.2, Part 6)
  - (d) Stability information booklets (1.7.2, Part 8)
- (3) Ship structure access manuals
- (4) Copies of certificates of forgings and castings welded into hull structures
- (5) Plans showing the locations, sizes and details of equipment forming part of the watertight and weather-tight integrity of the ship, including piping
- (6) Corrosion prevention schemes
- (7) Plans and documents for in-water surveys

(8) Docking plans

(9) Plans and documents for Anti-Fouling Systems (2.2.2, Rules for Anti-Fouling Systems on Ships)

(10) Test plans, test records, measurement records, etc.

#### EFFECTIVE DATE AND APPLICATION (Amendment 1-3)

1. The effective date of the amendments is 1 July 2010.



## Part 2 CLASS SURVEYS

### Chapter 2 CLASSIFICATION SURVEYS

#### 2.1 Classification Survey during Construction

##### 2.1.6 Documents to be maintained on board

Sub-paragraph -4 has been added as follows.

4 At the completion of classification surveys, Surveyors confirm that certificates showing that the following devices have passed all required examinations or tests are maintained on board.

- (1) Fire pumps (including emergency fire pumps)
- (2) Fire hoses and nozzles
- (3) Fire extinguishers (including spare charges)
- (4) Fire-fighter's outfits
- (5) Emergency escape breathing devices
- (6) Fixed fire-extinguishing systems
- (7) Fire dampers and power-operated closing doors
- (8) Fixed fire detection and fire alarm systems and automatic sprinkler systems
- (9) Fire protection materials
- (10) Additional equipments required for ships carrying dangerous goods (electrical equipment of an explosion-proof type, detection systems, full protective clothing, portable fire extinguishers and water spraying systems)
- (11) Watertight doors below the freeboard deck
- (12) Side scuttles

## EFFECTIVE DATE AND APPLICATION (Amendment 1-4)

1. The effective date of the amendments is 1 July 2010.
2. Notwithstanding the amendments to the Rules, the current requirements may apply to ships for which the date of contract for construction\* is before the effective date.  
\* “contract for construction” is defined in the latest version of IACS Procedural Requirement (PR) No.29.

### IACS PR No.29 (Rev.0, July 2009)

1. The date of “contract for construction” of a vessel is the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. This date and the construction numbers (i.e. hull numbers) of all the vessels included in the contract are to be declared to the classification society by the party applying for the assignment of class to a newbuilding.
2. The date of “contract for construction” of a series of vessels, including specified optional vessels for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective owner and the shipbuilder.  
For the purpose of this Procedural Requirement, vessels built under a single contract for construction are considered a “series of vessels” if they are built to the same approved plans for classification purposes. However, vessels within a series may have design alterations from the original design provided:
  - (1) such alterations do not affect matters related to classification, or
  - (2) If the alterations are subject to classification requirements, these alterations are to comply with the classification requirements in effect on the date on which the alterations are contracted between the prospective owner and the shipbuilder or, in the absence of the alteration contract, comply with the classification requirements in effect on the date on which the alterations are submitted to the Society for approval.

The optional vessels will be considered part of the same series of vessels if the option is exercised not later than 1 year after the contract to build the series was signed.
3. If a contract for construction is later amended to include additional vessels or additional options, the date of “contract for construction” for such vessels is the date on which the amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a “new contract” to which 1. and 2. above apply.
4. If a contract for construction is amended to change the ship type, the date of “contract for construction” of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.

Note:

This Procedural Requirement applies from 1 July 2009.

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# **GUIDANCE FOR HIGH SPEED CRAFT**

**GUIDANCE**

## **2010    AMENDMENT NO.1**

Notice No.51            15th April 2010

Resolved by Technical Committee on 5th February 2010

“Guidance for high speed craft” has been partly amended as follows:

Amendment 1-1

## Part 2 CLASS SURVEYS

### Chapter 2 CLASSIFICATION SURVEYS

#### 2.5 Alterations

Paragraph 2.5.1 has been amended as follows.

##### 2.5.1 Requirements of Surveys

1 In applying the requirements specified in 2.5.1, in the case of the “application of modification, etc. which affect or may affect a main particular of a ship” (hereinafter referred to as “application of major conversion”), the following are to apply, except in cases where specified by the Society or Administration:

- (1) A “Major conversion”, for example, refers to (but is not limited to) the following cases:
  - (a) Alteration of the dimensions of a ship; for example, the lengthening of a ship by adding a new midbody.
  - (b) Change of ship type; for example, the conversion from tanker to bulk carrier.
  - (c) Modification of construction which affects necessary requirements related to ship subdivisions.
- (2) In cases where a major conversion is performed, unless otherwise specified in the requirements, the hull structure, machinery and equipment are to comply with requirements in force at the time of alteration. For example, in the case of the lengthening of a ship, the new midbody is to comply with all relevant requirements (for example, longitudinal strength and equipment numbers, etc.) which are affected by such alteration.
- (3) “Requirements in force at the time of alteration” are those requirements, unless otherwise specified, for a conversion constructed after either of the following dates:
  - (a) the date on which the contract is placed for the conversion; or
  - (b) in the absence of a contract, the date on which the work identifiable with the specific conversion begins.

2 In applying the requirements specified in 2.5.1, “permitted by the Society” refers to those cases where the Society agrees that it is difficult to apply a new requirement, and the Administration agrees to waive the concerned requirement.

3 The stability experiment may be dispensed with in accordance with 2.3.2, where available stability data are obtained from the stability experiments conducted before alterations or from other adequate means and a special approval is given by the Society.

#### EFFECTIVE DATE AND APPLICATION (Amendment 1-1)

1. The effective date of the amendments is 15 April 2010.
2. Notwithstanding the amendments to the Guidance, the current requirements may apply to ships for which the date of contract for conversion is before the effective date.

## Part 2 CLASS SURVEYS

### Chapter 3 PERIODICAL SURVEYS AND PLANNED MACHINERY SURVEYS

#### 3.1 General

Paragraph 3.1.5 has been amended as follows.

##### 3.1.5 Modification of Requirements of Surveys

~~1 For the boilers other than water tube boilers which were surveyed during construction, the requirements of the first Intermediate Survey after the Classification Survey may be modified at the Surveyor's discretion.~~

~~2 For pressure vessels used for processing the catches of less than 8 years old, the requirements for examinations may be modified at the Surveyor's discretion.~~

“In cases where considered appropriate by the Society” specified in 3.1.5-1., in Part 2 of the Rules means those cases where the examinations specified in Table B1.1.6-1., Part B of the Rules for the Survey and Construction of Steel Ships are carried out during Periodical Surveys and Planned Machinery Surveys. However, this regulation is not to be applied to surveys required by international regulations or the requirements of flag states.

#### EFFECTIVE DATE AND APPLICATION (Amendment 1-2)

1. The effective date of the amendments is 15 April 2010.
2. Notwithstanding the amendments to the Guidance, the current requirements may apply to the surveys for which the application is submitted to the Society before the effective date.

## Part 2 CLASS SURVEYS

### Chapter 2 CLASSIFICATION SURVEYS

#### 2.1 Classification Survey during Construction

Paragraph 2.1.6 has been added as follows.

##### **2.1.6 Documents to be maintained on Board**

The certificates specified in 2.1.6-4, Part 2 of the Rules are those such as the ones issued for each piece of equipment, device, etc., type approval certificates valid at the time of the Classification Survey, or others applicable. With regard to fire pumps, hose test records after installation on board may be accepted. In addition, unless equipment or devices on board are renewed after the ship has entered service, these certificates need not be updated.

#### EFFECTIVE DATE AND APPLICATION (Amendment 1-3)

1. The effective date of the amendments is 1 July 2010.
2. Notwithstanding the amendments to the Guidance, the current requirements may apply to ships for which the date of contract for construction\* is before the effective date.  
\* “contract for construction” is defined in the latest version of IACS Procedural Requirement (PR) No.29.

#### IACS PR No.29 (Rev.0, July 2009)

1. The date of “contract for construction” of a vessel is the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. This date and the construction numbers (i.e. hull numbers) of all the vessels included in the contract are to be declared to the classification society by the party applying for the assignment of class to a newbuilding.
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  - (1) such alterations do not affect matters related to classification, or
  - (2) If the alterations are subject to classification requirements, these alterations are to comply with the classification requirements in effect on the date on which the alterations are contracted between the prospective owner and the shipbuilder or, in the absence of the alteration contract, comply with the classification requirements in effect on the date on which the alterations are submitted to the Society for approval.The optional vessels will be considered part of the same series of vessels if the option is exercised not later than 1 year after the contract to build the series was signed.
3. If a contract for construction is later amended to include additional vessels or additional options, the date of “contract for construction” for such vessels is the date on which the amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a “new contract” to which 1. and 2. above apply.
4. If a contract for construction is amended to change the ship type, the date of “contract for construction” of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.

Note:

This Procedural Requirement applies from 1 July 2009.

## **Part 2 CLASS SURVEYS**

### **Chapter 2 CLASSIFICATION SURVEYS**

#### **2.1 Classification Survey During Construction**

Paragraph 2.1.8 has been added.

##### **2.1.8 Ship Construction File**

Documents to be included in the Ship Construction File stipulated in 2.1.8, Part 2 of the Rules do not need to be actually in the File nor stored in the same location, provided that the location, status and other necessary information of such documents are addressed in the File.

#### **EFFECTIVE DATE AND APPLICATION (Amendment 1-4)**

1. The effective date of the amendments is 1 July 2010.