

Clarifying Handling of Risk Assessment for the Use of Low-flashpoint Fuels

Object of Amendment

Rules for the Survey and Construction of Steel Ships Part B
Guidance for the Survey and Construction of Steel Ships Part GF

Reason for Amendment

Under 4.2 of the International Code of Safety for Ships Using Gases or Other Low-flashpoint Fuels (IGF Code), it is stipulated that a risk assessment for the use of low-flashpoint fuels is to be conducted.

Based on this, the Society stipulates requirements for such risk assessments in Chapter 4 of Part GF of the Rules for the Survey and Construction of Steel Ships and stipulates the submission of related documents in Chapter 2 of Part B of the Rules for the Survey and Construction of Steel Ships.

Accordingly, relevant requirements are amended to clarify the items to be included in the related documents and clarify their handling in connection with risk assessment.

Outline of Amendment

- (1) Specifies the contents to be included in the risk assessment documents.
- (2) Clarifies the handling in cases where “the design indicated in the documents used for the risk assessment is changed after the assessment” and “the risk assessment documents of a sister ship are intended to be reutilized”.

Effective Date and Application

Effective date of this amendment is 1 July 2026.

ID:DD24-28

Amended-Original Requirements Comparison Table (Clarifying Handling of Risk Assessment for the Use of Low-flashpoint Fuels)

Amended	Original	Remarks
<p>RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p>Part B CLASS SURVEYS</p> <p>Chapter 2 CLASSIFICATION SURVEYS</p> <p>2.1 Classification Survey during Construction</p> <p>2.1.3 Submission of Plans and Documents (Same as the right)</p>	<p>RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p>Part B CLASS SURVEYS</p> <p>Chapter 2 CLASSIFICATION SURVEYS</p> <p>2.1 Classification Survey during Construction</p> <p>2.1.3 Submission of Plans and Documents</p> <p>1 When it is intended to build a ship for classification by the Society, the applicable plans and documents specified in (1) to (6) below are to be submitted. The plans and documents to be approved by the Society are “Plans and Documents for Approval”, the plans and documents including all alteration during the work are “Finished Plans”, the plans and documents except “Plans and Documents for Approval” and “Finished Plans” are “Other Plans and Documents” (hereinafter same in this chapter). Plans and Documents for Approval and Other Plans and Documents are to be submitted to the Society before the work is commenced and Finished Plans are to be submitted to the Society at the completion of a classification survey.</p> <p>(1) Plans and Documents for Approval, Other Plans and Documents and Finished Plans (Submission) related to hull specified in Table B2.1.</p> <p>(2) Plans and Documents for Approval, Other Plans and Documents and Finished Plans (Submission) related to machinery specified in Table B2.2.</p>	

Amended-Original Requirements Comparison Table (Clarifying Handling of Risk Assessment for the Use of Low-flashpoint Fuels)

Amended	Original	Remarks
	<p>(3) For ships subject to Part N, Plans and Documents for Approval, Other Plans and Documents and Finished Plans (Submission) related to ships carrying liquefied gases in bulk specified in Table B2.3 in addition to (1) and (2) above.</p> <p>(4) For ships subject to Part S, Plans and Documents for Approval, Other Plans and Documents and Finished Plans (Submission) related to ships carrying dangerous chemicals in bulk specified in Table B2.4 in addition to (1) and (2) above.</p> <p>(5) For ships subject to Part GF, Plans and Documents for Approval, Other Plans and Documents and Finished Plans (Submission) related to ships using low-flashpoint fuels specified in Table B2.5 in addition to (1) and (2) above.</p> <p>(6) Plans and documents other than (1) to (5) above when deemed necessary by the Society.</p>	

Amended-Original Requirements Comparison Table (Clarifying Handling of Risk Assessment for the Use of Low-flashpoint Fuels)

Amended	Original			Remarks
Name*1	Notes	Submission		Maintained On Board
		Approval	Other	Finished Plans (On Board)
(1 to 57 are omitted.)				
58 <u>List of Data on Risk assessment documents</u>	<p>(1) As specified in 4.2.1, Part GF of the Rules.</p> <p>(2) Including detailed descriptions of at least the following:</p> <ul style="list-style-type: none"> (a) <u>Summary of methodology</u> (b) <u>Objective and scope</u> (c) <u>Description of the object</u> (d) <u>Procedures</u> (e) <u>Results and conclusions</u> (f) <u>Follow up actions and their results</u> 		<input type="radio"/>	
(59 to 63 are omitted.)				
<p>Notes</p> <p>*1 : For ships of not less than 500 gross tonnage engaged in international voyages, it is recommended submitted plans and documents be marked with <i>IMO</i> ship identification numbers.</p> <p>*2 : Plans and documents approved by the Society or copies thereto.</p>				

Amended-Original Requirements Comparison Table (Clarifying Handling of Risk Assessment for the Use of Low-flashpoint Fuels)

Amended	Original	Remarks
<p>GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p>Part GF SHIPS USING LOW-FLASHPOINT FUELS</p> <p>GF4 GENERAL REQUIREMENTS</p> <p>GF4.2 Risk Assessment (IGF Code 4.2)</p> <p><u>GF4.2.1 General Requirements</u></p> <p><u>The handling of the implementation of the risk assessment stipulated in 4.2, Part GF of the Rules is to be as follows.</u></p> <p class="list-item-l1">(1) When the design indicated in the documents used for the risk assessment is changed after the assessment</p> <p class="list-item-l2">(a) Submit to the Society a list of design changes indicating which of the following categories each change falls under:</p> <p class="list-item-l3">i) Design changes not related to equipment or arrangements associated with low-flashpoint fuels and having no impact on the risk assessment stipulated in 4.2.1, Part GF of the Rules (e.g. changes to the bow shape).</p> <p class="list-item-l3">ii) Design changes directly related to equipment or arrangements associated with low-flashpoint fuels and subject to the risk assessment stipulated in 4.2.1, Part GF of the Rules (e.g. additional installation of</p>	<p>GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p>Part GF SHIPS USING LOW-FLASHPOINT FUELS</p> <p>GF4 GENERAL REQUIREMENTS</p> <p>GF4.2 Risk Assessment (IGF Code 4.2)</p> <p>(Newly added)</p>	<p>Clarification of handling when design changes are made after the implementation of the risk assessment.</p> <p>For the list of design changes, it is a prerequisite that agreement has been reached among stakeholders (such as designers, shipyards, and the prospective shipowner).</p>

Amended-Original Requirements Comparison Table (Clarifying Handling of Risk Assessment for the Use of Low-flashpoint Fuels)

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<p><u>fuel containment systems).</u></p> <p>iii) Design changes directly or indirectly related to equipment or arrangements associated with low-flashpoint fuels that may affect the risk ranking (frequency and severity) of the risk assessment already carried out (e.g. changes to the arrangement of fire detectors).</p> <p>(b) The design changes listed in (a) above are to be handled as follows:</p> <p>i) For design changes falling under (a)i), implementation of a risk assessment is not required. However, a summary document showing that the impact is minor or negligible, as referred to in (a)i), is to be submitted to the Society.</p> <p>ii) For design changes falling under (a)ii), a risk assessment is, in principle, to be carried out using the same method as the assessments already carried out, and the results are to be added to the risk assessment documents. The results may be provided as a separate document instead of being added to the existing documents.</p> <p>iii) For design changes falling under (a)iii), the risk assessment for the relevant items is, in principle, to be carried out again, and the risk assessment documents are to be revised, if necessary. The changes made may be provided as a separate document instead of revising the existing documents.</p> <p>(2) When intending to reutilize the risk assessment documents of a sister ship</p>		Clarification of handling when intending to reutilize the risk

Amended-Original Requirements Comparison Table (Clarifying Handling of Risk Assessment for the Use of Low-flashpoint Fuels)

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<u>The risk assessment documents of a sister ship may be reutilized, provided that those specified in (1) above are followed.</u>		assessment documents of a sister ship. It is a prerequisite that agreement has been reached among stakeholders (such as designers, shipyards, and the prospective shipowner).
EFFECTIVE DATE AND APPLICATION		
<ol style="list-style-type: none"> 1. The effective date of the amendments is 1 July 2026. 		