

Operation Manuals of Ships Carrying Dangerous Chemicals in Bulk

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Parts B, and S
Guidance for the Survey and Construction of Steel Ships Part S

Reason for Amendment

Chapter 16 of the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (hereinafter referred to as the “IBC Code”) specifies requirements related to operation, and the ClassNK Rules further separately requires that operation manuals for cargo handling and storage operations be approved by the Society and be provided on board.

The IBC Code, however, does not require that such manuals be approved and provided on board, and proper cargo handling is verified during ISM audits in accordance with the ISM Code.

Accordingly, relevant requirements are amended to maintain consistency with the IBC Code.

Outline of Amendment

Deletes requirements related to the approval of operation manuals for cargo handling as well as the provision of such manuals on board.

“Rules for the survey and construction of steel ships” has been partly amended as follows:

Part B CLASS SURVEYS

Chapter 2 CLASSIFICATION SURVEYS

2.1 Classification Survey during Construction

2.1.2 Submission of Plans and Documents for Approval*

Sub-paragraph -7 has been amended as follows.

7 For ships carrying liquefied gases in bulk, an operation manual stipulated in **18.2.1, Part N** is to be submitted for approval by the Society. ~~For ships carrying dangerous chemicals in bulk, an operation manual stipulated in **16.1.1, Part S** is to be submitted for approval by the Society.~~

2.1.6 Documents to be Maintained On Board*

Sub-paragraph -1 has been amended as follows.

1 At the completion of a classification survey, the Surveyor confirms that the finished versions of the following applicable drawings, plans, manuals, lists, etc., are on board.

(1) Documents approved by the Society or their copies

 ((a) to (f) are omitted.)

~~((g) Operation manuals for ships carrying dangerous chemicals in bulk (**16.1.1, Part S**))~~

 ((h) to (t) are omitted.)

((2) and (3) are omitted.)

2.2 Classification Survey of Ships Not Built under Survey

2.2.1 General*

Sub-paragraph -4 has been amended as follows.

4 For ships carrying liquefied gases in bulk, the operation manual stipulated in **18.2.1, Part N** is to be submitted for approval by the Society. ~~For ships carrying dangerous chemicals in bulk, the operation manual stipulated in **16.1.1, Part S** is to be submitted for approval by the Society.~~

Part S SHIPS CARRYING DANGEROUS CHEMICALS IN BULK

Chapter 6 MATERIALS OF CONSTRUCTION

6.1 General

Paragraph 6.1.3 has been amended as follows.

6.1.3 Information for Materials of Construction (*IBC* Code 6.2)*

Compatibility information for materials of construction is to be ~~indicated in the operation manual specified in 16.1.1~~ provided and available to the ship operator and/or master.

Chapter 8 CARGO TANK VENTING AND GAS-FREEING ARRANGEMENTS

8.1 Cargo Tank Venting (*IBC* Code 8.2)

Paragraph 8.1.6 has been amended as follows.

8.1.6 Information for the Master (*IBC* Code 8.2.6)

Information for the Master about the maximum permissible loading and unloading rates for each tank or group of tanks consistent with design of the venting systems is to be ~~included in the Operation Manual stipulated in 16.1.1~~ provided to the ship's master.

Chapter 16 OPERATIONAL REQUIREMENTS

Section 16.1 has been deleted.

~~**16.1 Maximum Allowable Quantity of Cargo per Tank**~~

~~**16.1.1 Operation Manual**~~

~~Operation manual approved by the Society is to be provided on board. Operation manual is to be included the items mentioned in 16.2.~~

“Guidance for the survey and construction of steel ships” has been partly amended as follows:

Part S SHIPS CARRYING DANGEROUS CHEMICALS IN BULK

S5 CARGO TRANSFER

S5.6 Cargo Transfer Control Systems

S5.6.1 General

Sub-paragraph -5 has been amended as follows.

5 In addition to the preceding -4, a stop valve is required for the hose connection to the shore vapour circulation. When the stop valve is of the portable type for fitting as necessary, stop valves equal to or greater, in number, than the maximum number of tanks scheduled for simultaneous loading of the cargo requiring shore circulation are to be provided at shore for the ship. The restriction to the number of loaded cargo tanks according to the number of these stop valves is to be ~~noted in the Operation Manual of the ship carrying dangerous chemicals in bulk~~ provided to the ship’s master.

S8 CARGO TANK VENTING AND GAS-FREEING ARRANGEMENTS

S8.2 Types of Tank Venting Systems

S8.2.2 Controlled Tank Venting System

Sub-paragraph -2 has been amended as follows.

2 The wording “certain operating conditions”, which may be allowed bypassing a pressure/vacuum valve, referred to in **8.2.2, Part S of the Rules** means the cargo operating conditions which the cargo is not required a vapour return system during cargo operation in **Chapter 15, Part S of the Rules**, provided that the vent-line outlet is complied with the requirements specified in **8.2.4** and **8.2.6, Part S of the Rules**. However bypassing of high-velocity valves is not permitted, and the bypassing a pressure/vacuum valves is not permitted during cargo operations for cargoes requiring vapour return systems in accordance with Chapter 15, Part S of the Rules.

S16 OPERATIONAL REQUIREMENTS

S16.2 Operational Requirements

Paragraph S16.2.3 has been deleted.

~~S16.2.3 Cargo Information~~

~~In relation to the requirement specified in 16.2.3-3(5), Part S of the Rules, the description of bypassing a pressure/vacuum valve is not allowed during cargo operation which the cargo is required a vapour return system in accordance with Chapter 15, Part S of the Rules, is to be noted in the operation manual. (see S8.2.2-2)~~