

Subject

Mandatory installation of stability instrument for oil tankers, chemical tankers, gas carriers

ClassNK

Technical Information

No. TEC-1053
Date 2 November 2015

To whom it may concern

The amendments of applicable international convention and codes stipulating mandatory installation of stability instruments for oil tankers, chemical tankers, and gas carriers were adopted at MEPC 66, which was held from March to April 2014, and MSC 93 held on May 2014. The amendments will enter into force on 1 January 2016. In this connection, although ClassNK Technical Information No. TEC-0991 and No. TEC-1001 already provides information outlining the content of the amendments as a part of an introduction on the outcomes of each committee, this Technical Information provides more detailed content on the amendments and specific procedures to follow in order to comply with the requirements, as described below.

< Contents of the amendments >

- All oil tankers, chemical tankers, and gas carriers are to be fitted with a stability instrument, capable of verifying compliance with intact and damage stability requirements approved by the Administration by the date designated in applicable convention or codes. Details on each applicable ship and the designated date for application of the amendments are summarized in Table.1 below.

(To be continued)

NOTES:

- ClassNK Technical Information is provided only for the purpose of supplying current information to its readers.
- ClassNK, its officers, employees and agents or sub-contractors do not warrant the accuracy of the information contained herein and are not liable for any loss, damage or expense sustained whatsoever by any person caused by use of or reliance on this information.
- Back numbers are available on ClassNK Internet Homepage (URL: www.classnk.or.jp).

Table.1 Summary Table of Applicable Ships and Designated Dates of Application

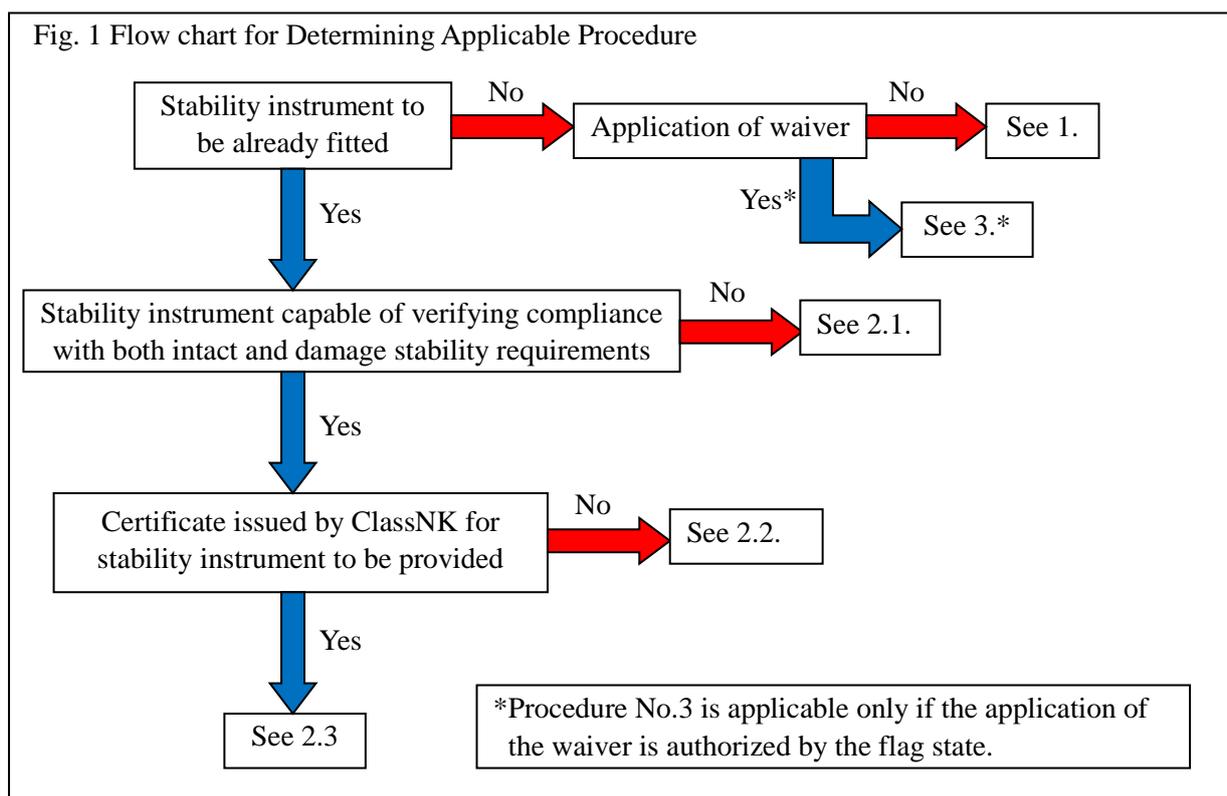
Type of Ship	Applicable Ship	Designated Date
Oil Tankers and Chemical Tankers	Ships constructed on or after 1 January 2016	Completion date
	Ships other than above	At first scheduled renewal survey of IOPP Certificate and/or Chemical Certificate on or after 1 January 2016 but not later than 1 January 2021
Gas Carriers	Ships constructed on or after 1 July 2016	Completion date
	Ships to which GC Code and EGC Code apply (Ships constructed before 1 July 1986)	At first scheduled renewal survey of Gas Certificate on or after 1 January 2016 but not later than 1 January 2021
	Ships other than above	At first scheduled renewal survey of Gas Certificate on or after 1 July 2016 but not later than 1 July 2021

- Notwithstanding the above requirements, a stability instrument already fitted on a ship before 1 January 2016 (in the case of a gas carrier to which IGC Code applies, 1 July 2016) need not be replaced, provided it is capable of verifying compliance with intact and damage stability to the satisfaction of the Administration.
- The Administration may waive the requirement for the installation of a stability instrument for the following ships if loaded in accordance with conditions approved by the Administration.
 - .1 Ships which are on a dedicated service, with a limited number of permutations of loading such that all anticipated conditions have been approved both in the stability information and the damage stability calculation provided to the master
 - .2 Ships where stability verification is made remotely by a means approved by the Administration
 - .3 Ships which are loaded within an approved range of loading conditions
 - .4 Ships constructed before 1 January 2016 (in case of gas carriers, 1 July 2016) provided with approved limiting KG/GM curves covering all applicable intact and damage stability requirements
- For the purpose of port state control, the Administration is to issue a document of approval for the stability instrument.
- Statutory certificate which is issued by the Administration based on the amended format is to be kept onboard on and after the designated date in Table 1.

(To be continued)

< Specific Procedure >

For applicable ships under NK class, depending on the circumstances of each ship, any one of following procedures stated from 1. to 3. applies to each ship. Applied procedure is determined in line with Fig.1 Flow chart for Determining Applicable Procedure.



1. Where the stability instrument is newly installed
 - (1) Preparation and submission of document for verification of calculation accuracy including both intact and damage stability*¹⁾
 - (2) Review and approval of the document
 - (3) Installation testing*²⁾
 - (4) Issuance of Document of Approval*³⁾
 - (5) Issuance of Statutory Certificate based on amended format*⁴⁾
 - *1) At least three copies of the document are necessary to be submitted for approval to the Natural Resources and Energy Department at Head Office as below.
 - *2) An application for an attending survey needs to be submitted to the site office in charge
 - *3) A Document of Approval is issued upon completion of installation testing.
 - *4) A new statutory certificate is issued on the designated date in Table 1.

(To be continued)

2. Where a stability instrument is already fitted
 - 2.1 Where a stability instrument capable of verifying compliance with either intact or damage stability requirement only is fitted.
 - (1) Update of the software capable of verifying compliance with both intact and damage stability requirements
 - (2) Same procedure as mentioned above 1.(1) to (5)
 - 2.2 Where a stability instrument capable of verifying compliance with both intact and damage stability requirements is fitted without a certificate issued by ClassNK.
 - (1) Same procedure as mentioned above 1.(1) to (5)
 - 2.3 Where a stability instrument capable of verifying compliance with both intact and damage stability requirements is fitted with a certificate issued by ClassNK.
 - (1) Functional test onboard^{*1)}
 - (2) Issuance of Document of Approval and Statutory Certificate based on amended format^{*1)}
3. Where a waiver of the requirement is applicable^{*1)}
 - (1) Issuance of Statutory Certificate based on amended format^{*2)}

^{*1)} A waiver is to be authorized by the flag state in advance.
^{*2)} A new statutory certificate is to be issued on the designated date in Table 1.

For any questions about the above, please contact:

NIPPON KAIJI KYOKAI (ClassNK)
Hull Department, Administration Center Annex, Head Office
Address: 3-3 Kioi-cho, Chiyoda-ku, Tokyo 102-0094, Japan
Tel.: +81-3-5226- 2017
Fax: +81-3-5226- 2019
E-mail: hld@classnk.or.jp

◇Department in charge until 31 March 2018
NIPPON KAIJI KYOKAI (ClassNK)
Natural Resources and Energy Department, Administration Center Annex, Head Office
Address: 3-3 Kioi-cho, Chiyoda-ku, Tokyo 102-0094, Japan
Tel.: +81-3-5226-2042
Fax: +81-3-5226-2177
E-mail: ned@classnk.or.jp