

Subject

Initial survey for the Ballast Water Management Convention after satisfaction the requirements for entry into force of the Convention

ClassNK

Technical Information

No. TEC-1086

Date 8 September 2016

To whom it may concern

As previously informed in ClassNK Technical Information No. TEC-1085, the International Convention for the Control and Management of Ship's Ballast Water and Sediments, 2004 (Hereinafter referred to "the BWM Convention") satisfied the requirements for entry into force on 8 September 2016. This means that the BWM Convention will officially enter into force one year later on 8 September 2016.

Although the installation of Ballast Water Management System (Hereinafter referred to "BWMS") (Regulation D-2 of the BWM Convention) which satisfy the relevant Ballast water performance standard will be required according to the compliance schedule for BWMS after the BWM Convention enters into force, the use of Ballast water exchange standard (Regulation D-1 of the BWM Convention) will continue to be accepted up until the compliance date for the installation of BWMS. The approval of a Ballast water management plan and proper maintenance of a Ballast water record book is, however, required regardless of whether Regulation D-1 or Regulation D-2 is applied.

Once the BWM Convention enters into force, all ships of 400 gross tonnage and above to which the BWM Convention applies should have International Ballast Water Management Certificate for the BWM Convention (Hereinafter referred to "the Certificate") on board. Accordingly, ClassNK has launched to issue the Certificate following initial survey subject to the authorization from administration.

The plans and documents required to be submitted for approval, which need to be performed prior to that carrying out of initial survey, are as listed below. Plans and documents required to be submitted for approval which were previously submitted or approved during the classification approval process do not need to be re-submitted.

1. Approval plans, documents and initial survey

(1) Ships applied with Ballast water exchange standard (Ships applied with only Regulation D-1)

(i) Approval plans and documents

Ballast water management plan (Total 2 sets) is to be submitted to ClassNK Machinery Department.

(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).

(ii) Initial survey

Applications for initial survey for the BWM Convention should be submitted to the ClassNK site office responsible for carrying out the survey.

It is to be confirmed an approved Ballast water management plan and a proper maintained Ballast water record book are kept on board.

(2) Ships applied with Ballast water performance standard

(Ships applied with both Regulation D-1 and Regulation D-2, or only Regulation D-2)

(i) Approval plans and documents

Following plans and documents for each 3 sets are to be submitted to ClassNK Machinery Department. For existing ships, in case modifications for BWMS installation will be conducted, it is necessary to be submitted revised plans and documents clearly indicated modified parts. However, regarding (M) On board test procedure, it is to be submitted to the ClassNK site office.

- (A) A copy of the Type Approval Certificate of BWMS (issued by flag administration or organization which is considered as appropriate by ClassNK in accordance with IMO Resolution MEPC.174(58): "Guidelines for Approval of Ballast Water Management Systems (G8)" (Including future amendment)
- (B) Drawing of BWMS
- (C) BWMS arrangement drawing
- (D) Arrangement of ballast water piping
- (E) Arrangement of construction of sampling points (Detailed drawing described position and construction of sampling points)
- (F) Wiring diagram of main (power) circuit
- (G) Wiring diagram of control and instrument
- (H) Arrangement of electric apparatus
- (I) Electric power table
- (J) Short circuit current analysis
- (K) List of explosion-proof type electric equipment and arrangement (If applicable)
- (L) Ballast water management plan
- (M) On board test procedure (Please submit to ClassNK site office)
- (N) Other drawings considered necessary by ClassNK

(To be continued)

(ii) Initial survey

Applications for initial survey for the BWM Convention should be submitted to the ClassNK site office responsible for carrying out the survey.

Following matters are to be confirmed on board. In addition, it is to be confirmed an approved Ballast water management plan and a proper maintained Ballast water record book are kept on board.

- (A) Actual layout of ballast water piping system, including ballast pumps and BWMS as well as sampling facilities with reference to approved plans and documents
- (B) Operation test of BWMS (In general, this test should include both ballast and de-ballast operation tests under rating capacity)
- (C) Confirmation of proper storage and maintenance of chemical substances used for BWMS
- (D) Confirmation of onboard BWMS is corresponding to its Type Approval Certificate
- (E) For BWMS which use chemical substances for treatment, confirmation of the type to clarify its compliance to "IMO Resolution MEPC. 169(57): Procedure for Approval of Ballast Water Management Systems that Make Use of Active Substances (G9)" (including future amendment)
- (F) Necessary stocks of consumables for the control and monitoring devices for operation test and the record of its result, if the ballast water management recording device is installed
- (G) For BWMS that produce residual products such as sediments in its operation, storage of facilities exclusively used for these substances.
- (H) Other inspections considered necessary by ClassNK

(iii) Documents which are to be kept on board

It is to be confirmed that the following documents are to be kept on board.

- (A) A copy of the Type Approval Certificate of BWMS (issued by flag administration or organization which is considered as appropriate by ClassNK in accordance with IMO Resolution MEPC.174(58): "Guidelines for Approval of Ballast Water Management Systems (G8)" (Including future amendment)
- (B) A Statement to confirm that the electrical and electronic components of the BWMS have been type-tested in accordance with above mentioned G8 which is the specified for environmental testing
- (C) Equipment manuals for major components of the BWMS
- (D) An operations and technical manual for the BWMS specific to the ship
- (E) Installation specifications
- (F) Installation commissioning procedures
- (G) Initial calibration procedures
- (H) Other documents considered necessary by ClassNK

(To be continued)

2. Ships possessing a Statement of Fact for installation of BWMS

(Ships applied with both Regulation D-1 and Regulation D-2, or only Regulation D-2)

Ships possessing a Statement of Fact for installation of BWMS, which verifies that a BWMS has already been installed on board which have initial survey for Statement of Fact carried out, are to attach a copy of the relevant Statement of Fact to their application of initial survey, if you request, and submit the application to the ClassNK site office responsible for the survey. The site office will refer to the Statement of Fact when it carries out the initial survey and issue the Certificate upon completion. In addition, please contact ClassNK Machinery Department separately regarding any cases where a "Note" has been attached to the Statement of Fact (either Note is mentioned at the bottom or on the back) because modification may be required to be made as necessary.

3. Ships affixed with the classification notation "BWTS"

The Certificate will be issued to ships affixed with the classification notation "BWTS", which have initial survey for the notation "BWTS" carried out, are to submit the application to the ClassNK site office responsible for the survey, if you request. The site office will carry out the initial survey and issue the Certificates upon completion. Plan approval is, in principle, not required because it has been already carried out when the notation "BWTS" is affixed. However plan approval is required prior to the survey being carried out in cases where modifications were made to the relevant equipment after the notation "BWTS" is affixed.

(To be continued)

For any questions about the above, please contact:

[For general questions]

NIPPON KAIJI KYOKAI (ClassNK)

Machinery Department, Administration Center Annex, Head Office

Address: 3-3 Kioi-cho, Chiyoda-ku, Tokyo 102-0094, Japan

Tel.: +81-3-5226-2023

Fax: +81-3-5226-2024

E-mail: mcd@classnk.or.jp

[For questions on survey]

Survey Department, Administration Center Annex, Head Office

Address: 3-3 Kioi-cho, Chiyoda-ku, Tokyo 102-0094, Japan

Tel.: +81-3-5226-2027

Fax: +81-3-5226-2029

E-mail: svd@classnk.or.jp

[For questions relevant to type approval of BWMS]

Material and Equipment Department, Administration Center Annex, Head Office

Address: 3-3 Kioi-cho, Chiyoda-ku, Tokyo 102-0094, Japan

Tel.: +81-3-5226-2020

Fax: +81-3-5226-2057

E-mail: eqd@classnk.or.jp