

Subject

Verification for the Material and Equipment not containing asbestos

ClassNK

Technical Information

No. TEC-0908
Date 22 June 2012

To whom it may concern

Regarding Verification for the Material and Equipment not containing asbestos which were informed by ClassNK Technical Information No. TEC-0904 of 15 May 2012, ClassNK will carry out surveys as follows based on IACS Unified Interpretation SC249. Thank you for your understanding and cooperation in this matter.

This Technical Information supersedes ClassNK Technical Information No. TEC-0904.

1. Application

Ships engaged on international voyages (ships not engaged on international voyages comply with the instruction of the flag administration)

2. Surveys

(1) New ships: applied to ships constructed on or after 1 July 2012

ClassNK reviews an asbestos-free declaration and supporting documentations during Classification Survey During Construction.

(2) Ships in service: Periodical surveys on or after 1 July 2012

ClassNK reviews asbestos-free declaration and supporting documentations to use equipment, installations and parts, etc. which not contain asbestos have been newly installed (i.e., repaired, replaced, maintained or added) on or after 1 July 2012.

In this respect, the owner / the management company is requested to provide procedure with Safety Management System, including the nomination of responsible person(s) and monitoring, to ensure that newly installed materials onboard shall not contain asbestos, and notify your fleet before 1 July 2012.

3. Preparations

(1) New ships

Please submit the asbestos-free declaration^{*1} prepared by the shipyard and supporting documentations that show not to use materials which contain asbestos. Applications are equipment, installations and parts, etc. referring to Annex 1 of IACS UI SC249 stipulated by the rules.

The term "supporting documentation" here is documents declared by the suppliers that the products are not made of materials which not contain asbestos.

(To be continued)

NOTES:

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For example;

- Analysis results of asbestos
- Document for Asbestos-Free issued by JSMEA (<http://www.jsmea.or.jp>)
- Product supplier's information on their website
- Product supplier's circulars, or
- Product supplier's declarations ^{*3}, etc.

(2) Ships in service

Please prepare the declarations^{*2} and supporting documentations (same as (1)) for newly installations on or after 1 July 2012 not to use materials which contain asbestos.

Please take notice, the declarations or supporting documentations are not required for these products as spares kept in store or other places. However, those documents are necessary, when these spares become in use.

There are no specific forms of declarations, however following samples are attached for your reference.

*1: Declaration of Conformity (for new ship)

*2: Declaration - Non-use of materials containing asbestos - (for ship in service)

*3: Supplier's Material Declaration (for product supplier,; Sample-1 and-2)

Reference:

IACS Unified Interpretation SC249

For any questions about the above, please contact:

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Attachment:

1. Declaration of Conformity (for new ship)
2. Declaration - Non-use of materials containing asbestos - (for ship in service)
3. Supplier's Material Declaration (for product supplier,; Sample-1 and-2)
4. IACS Unified Interpretation SC249

Declaration of Conformity

Asbestos Free Construction in accordance with SOLAS Regulation II-1/3-5

This is to declare that;

Shipyard

has constructed the following ship in accordance with SOLAS Regulation II-1/3-5 and that therefore the ship does not contain asbestos:

Name of Ship:

Distinctive number or letters:

Port of Registry:

IMO Number:

Hull Construction Number:

Date on which keel was laid or ship was at a similar stage of construction:

Date of delivery:

This Declaration is based upon the following Requirements and procedures of the shipyard

SOLAS Regulation II-1/3-5, New Installation of Asbestos

IMO MSC.1/Circ.1379

ISO 9001

ISO 30007

IMO MSC.1/Circ.1426

Other shipyard relevant internal procedures (to be listed):

Place and date; Shipyard's representative (Name, position, title).

Declaration

- Non-use of materials containing asbestos -

Name of Ship:

Class Number:

IMO Number:

It is hereby declared that there was no new installation of materials containing asbestos on board for the following product(s) (see attached) and the period:

FROM _____
(e.g. Last periodical survey, 1 July 2012, dock/repair period)

TO _____

Place: _____

Date: _____

(Name, function)

(Signature, stamp)

(for master, chief engineer, representative of the company/repair yard/supplier/repairer etc.)

Supplier's Material Declaration

- Asbestos -

Ref.: _____

Company name: _____

Hereby declares that our products have not contained asbestos after dd/mm/yy of the delivery/production date.

(Place of issue)

(Date of issue)

(Name, function)

(Signature)

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(Oct
2011)
(Corr.1
Apr
2012)

Implementation of SOLAS II-1, Regulation 3-5 and MSC.1/Circ.1379

SOLAS Chapter II-1, Regulation 3-5

“From 1 January 2011, for all ships, new installation of materials which contain asbestos shall be prohibited.”

MSC.1/Circ.1379

“In the context of this regulation, new installation of materials containing asbestos means any new physical installation on board. Any material purchased prior to 1 January 2011 being kept in the ship's store or in the shipyard for a ship under construction, should not be permitted to be installed after 1 January 2011 as a working part.”

Unified Interpretations

SOLAS II-1, Regulation 3-5

1. Verification that “*new installation of materials which contain asbestos*” under SOLAS II-1/3-5 is not made on ships requires the Recognized Organization to review asbestos-free declarations and supporting documentation, for the structure, machinery, electrical installations and equipment covered by the SOLAS Convention, which is to be provided to the Recognized Organization by shipyards, repair yards, and equipment manufacturers for:

- new construction (keel laid, or at a similar stage of construction, on or after 1 July 2012);
- conversions (contract date for the conversion or, in the absence of a contract, the date on which the work identifiable with the specific conversion begins) on or after 1 July 2012;

NOTE:

This UI is to be implemented by IACS Societies as soon as possible, but not later than 1 July 2012.

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MSC.1/Circ.1379

2. The phrase “*new installation of materials containing asbestos*” in MSC.1/Circ.1379:
 - means that material used (i.e., repaired, replaced, maintained or added) as a working part of the ship as per Annex 1 which is installed on or after 1 July 2012 is required to be documented with an asbestos-free declaration. The Recognized Organization will, in consultation with the Company’s nominated person responsible to control asbestos-containing material onboard as per the Safety Management System in accordance with MSC/Circ.1045, audit this documentation during annual safety construction and safety equipment surveys; and
 - does not preclude the stowage of material which contains asbestos onboard (e.g., spare parts existing on board as of 1 July 2012).
3. The phrase “*should not be permitted to be installed after 1 January 2011 as a working part*” in MSC.1/Circ.1379 means that replacement, maintenance or addition of materials used for the structure, machinery, electrical installations and equipment covered by the SOLAS Convention which contain asbestos is prohibited.

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Annex 1

Structure and/or equipment	Component
Propeller shafting	Packing with low pressure hydraulic piping flange Packing with casing Clutch Brake lining Synthetic stern tubes
Diesel engine	Packing with piping flange Lagging material for fuel pipe Lagging material for exhaust pipe Lagging material turbocharger
Turbine engine	Lagging material for casing Packing with flange of piping and valve for steam line, exhaust line and drain line Lagging material for piping and valve of steam line, exhaust line and drain line
Boiler	Insulation in combustion chamber Packing for casing door Lagging material for exhaust pipe Gasket for manhole Gasket for hand hole Gas shield packing for soot blower and other hole Packing with flange of piping and valve for steam line, exhaust line, fuel line and drain line Lagging material for piping and valve of steam line, exhaust line, fuel line and drain line
Exhaust gas economizer	Packing for casing door Packing with manhole Packing with hand hole Gas shield packing for soot blower Packing with flange of piping and valve for steam line, exhaust line, fuel line and drain line Lagging material for piping and valve of steam line, exhaust line, fuel line and drain line
Incinerator	Packing for casing door Packing with manhole Packing with hand hole Lagging material for exhaust pipe
Auxiliary machinery (pump, compressor, oil purifier, crane)	Packing for casing door and valve Gland packing Brake lining
Heat exchanger	Packing with casing Gland packing for valve Lagging material and insulation

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Valve	Gland packing with valve, sheet packing with piping flange Gasket with flange of high pressure and/or high temperature
Pipe, duct	Lagging material and insulation
Tank (fuel tank, hot water, tank, condenser), other equipments (fuel strainer, lubricant oil strainer)	Lagging material and insulation
Electric equipment	Insulation material
Ceiling, floor and wall in accommodation area	Ceiling, floor, wall
Fire door	Packing, construction and insulation of the fire door
Inert gas system	Packing for casing, etc.
Air-conditioning system	Sheet packing, lagging material for piping and flexible joint
Miscellaneous	Ropes Thermal insulating materials Fire shields/fire proofing Space/duct insulation Electrical cable materials Brake linings Floor tiles/deck underlay Steam/water/vent flange gaskets Adhesives/mastics/fillers Sound damping Moulded plastic products Sealing putty Shaft/valve packing Electrical bulkhead penetration packing Circuit breaker arc chutes Pipe hanger inserts Weld shop protectors/burn covers Fire-fighting blankets/clothing/equipment Concrete ballast

The list above is taken from IMO Resolution MEPC.197(62), Appendix 5, paragraph 2.2.2.1.

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