

Subject

Verification for the Material and Equipment containing Asbestos

ClassNK

Technical Information

No. TEC-0904
Date 15 May 2012

To whom it may concern

In accordance with SOLAS Chapter II-1/Reg. 3-5, new installation of materials which contain asbestos shall be prohibited for all ships from 1 July 2002, except for some cases, e.g., gaskets used under high temperature, etc, and further, those exceptions are not accepted from 1 January 2011.

Meanwhile, IMO pointed out that materials which contain asbestos are still newly installed onboard ships. In response to this, IACS adopted Unified Interpretation UI SC249 which requires the confirmation of asbestos-free declarations and supporting documentation as a verification method for asbestos-free.

This Unified Interpretation is deliberated upon by the IMO at the 90th session of the Maritime Safety Committee (MSC90) held from 16 May 2012 to 25 May 2012, where it is expected to approved. When IMO agrees with this UI, ClassNK will act accordingly and incorporate UI SC249 into our Rules as follows;

- (1) New ships: applied to ships constructed on or after 1 July 2012
Please submit asbestos-free declarations and supporting documentation for equipment, component, etc. which are installed for ships constructed on or after 1 July 2012 to ClassNK site office.
- (2) Existing ships: applied to the first periodical survey on or after 1 July 2012
 - i) Please prepare asbestos-free declarations and supporting documentation for equipment, component etc. which are newly installed or exchanged on or after 1 July 2012.
 - ii) For equipment, component etc. which are purchased before 1 July 2012, asbestos-free declarations and supporting documentation are not required as long as those are stored as spare parts. However, when those equipment, component etc. are exchange and newly installed, please prepare asbestos-free declarations and supporting documentation.

(To be continued)

NOTES:

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1. IACS Unified Interpretation UI SC249 (Corr.1)



SC 249

(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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