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KR

KOREAN REGISTER OF SHIPPING
**TECHNICAL
INFORMATION**

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Subject: **Amendments to SOLAS 1974 adopted by MSC 82**

This is to inform you of the amendments to SOLAS Convention and related Codes and approved Circulars by Maritime Safety Committee at its 82nd session held in Istanbul, Turkey from 29th November to 08th December, 2006 as follows and the full text of amendments(Res.MSC82/24, 24/Add.1, 24/Add.2) to conventions are available on KR-Con and KR Homepage(www.krs.co.kr). If necessary, please refer to the full text of amendments after downloaded.

1. SOLAS Amendments (Res. MSC.216(82))

1) Mandatory requirement of Protective Coating under revised SOLAS II-2/3-2 and XII/6.3

(Existing requirement of protective coating for bulk carrier at Reg.XII/6.3 was deleted due to amend the Reg.II-1/3-2)

- **Application** : Ships of not less than 500G/T engaged on international voyages.
 - Dedicated seawater ballast tanks for all ship
 - Double side skin spaces arranged in bulk carrier of 150m in length and upward
- **Effective date** :
 - Ships for which the building contract is placed on or after 1 July 2008; or in the absence of a building contract, the keels laid on or after 1 January 2009; or
 - the delivery of which is on or after 1 July 2012.
- **Applicable Standard** : Performance standard for protective coating(MSC.215(82))

2) Early implementation of the protective coating

- by MSC.1/Circ.1198

SOLAS Contracting Governments may apply in advance the annexed draft SOLAS regulation II-1/3-2 together with the Performance standard for protective coatings approved at MSC 81 to dedicated seawater ballast tanks and double-side skin spaces of bulk carriers of 150 m and above flying their flag constructed on or after 1 July 2006 in lieu of existing SOLAS regulation XII/6.3

<Reference> for ships applied to IACS CSR(Common Structure Rule)

For reference, IACS determined that the mandatory requirements of Protective

Coating(Res.MSC.215(82)) should be applied in advance to the ships corresponding to the IACS CSR for which the building contract is placed on or after 8 December 2006.

- Ships corresponding to CSR : Bulk Carriers of 90m in length and upward; and
Double hull Tanker of 150m in length and upward

3) SOLAS II-1/Part A, B, B-1, 2, 3, 4(Effective from 1st January, 2009)

Amendments to SOLAS Chapter II-1 for Damage Stability by Res.MSC.194(80) were readopted with 2 regulation as follows:

- **Reg.II-1/8-1** System capabilities after a flooding casualty on passenger ships
 - Application : Passenger ships constructed on or after 1 July 2010.
- **Reg.II-1/22-1** Flooding detection systems for watertight spaces below the bulkhead deck
 - Application : For passenger ships carrying 36 or more persons constructed on or after 1 July 2010
 - The guidelines for detection systems should be developed by the Organization.

4) SOLAS II-1 Other than above 3) (Effective from 1st July, 2010)

- **Supplementary lighting in cabin(SOLAS Reg.II-1/41.6)**
 - Automatically illuminate when power to the normal cabin lighting is lost and remain on for a minimum of 30 min by emergency source of power.
 - Application : Passenger ships constructed on or after 1 July 2010.
- **Alternative design and arrangement(SOLAS Reg.II-1/55, III/38)**
 - For the alternative design and arrangement for SOLAS Chapter II-1 and III same as Reg.II-2/17 for SOLAS Chapter II-2 on existing SOLAS.
 - Application : Ships constructed on or after 1 July 2010.

5) SOLAS II-2

- **Amended or newly added fire protection requirement for Cabin balcony(Reg.II-2/1.2.2.5, 3.53, 4.4 4.5.2.3, 5.3, 6.2.2, 6.3.2, 7.10, 9.2.2.6, 10.6.1)**
 - Application : Cabin balcony of the ships constructed on or after 1 July 2008.
 - Retroactivities : Cabin balconies on passenger ships constructed before 1 July 2008 shall comply with the requirements of non-combustible materials(Reg.II-2/9.5.3.1.3) and qualities resistance to the propagation of flame for furniture and furnishings(Reg.II-2/9.5.3.4) by the first survey after 1 July 2008.
- **Amended or newly added fire safety requirement for passenger ship (Reg.II-2/3.52, 3.53, 7.2.4, 7.5, 8.2, 9.table 9.3 및 9.4, 9.2.2.7, 9.7.5.1.2, 9.7.6, 10.6.4, 13.3.2, 21, 22, 23)**
 - Application : Passenger ships constructed on or after 1 July 2010.

6) SOLAS III

- **Reg.III/4.3(Effective from 1 July, 2010)**

- Added the requirement of ensuring items including engineering analysis in accordance with Reg.III/38 by Administration for novel life-saving appliances.
 - The guidelines for approval should be developed by the Organization.
- **Reg.III/6.4.3(Effective from 1 July, 2008)**
 - Transferred the requirement of audible area(accommodation and normal crew working spaces) from LSA Code 7.2.1.1 to Reg.III/6.4.3.
 - **Reg.III/14.1(Effective from 1 July, 2008)**
 - Transferred the requirement of a fully inflated condition at all times for inflated rescue boat from LSA Code 5.1.3.11 to Reg.III/14.1.
 - **Reg.III/19.3.3.4(Effective from 1 July, 2008)**
 - Free fall interval for free-fall lifeboat reinforced 3 month, but allowed lowering into the water by secondary means of launching(Davit) instead of free-fall.
 - **Reg.III/20(Effective from 1 July, 2008)**
 - Deleted the requirement of turning of falls within 30 months(20.4)
 - Added the requirement of servicing of inflatable lifejackets(20.8)
 - Amended the weight of proof load test by 1.1 times from the maximum working load of the winch to weight of the survival craft with full complement of persons and equipment.(20.11.1.3)
 - Added the requirement of servicing of release system for free-fall lifeboat(20.11.2)
 - Newly added the requirement of servicing of automatic release hook for davit-launched liferaft.(20.11.3)
 - **Reg.III/21(Effective from 1 July, 2008)**
 - Deleted the quotation of Reg.II-1/6.5 and paragraph 1.3 in accordance with the amendments of chapter II-1.(21.1.2, 21.1.3 및 21.3.2))
 - Added the requirement of launching appliances for the lifeboat accepted as a rescue boat.(21.2.3)
 - **Reg.III/26(Effective from 1 July, 2008)**
 - Added the quotation of the requirement of fast rescue boat in accordance with the amendments of LSA Code.(26.3.1 및 26.3.2)
 - **Reg.III/31(Effective from 1 July, 2008)**
 - Added the requirements when the liferafts of 185kg and upward are stowed.(31.1 and 31.2)
 - Added the requirement of launching appliances for the lifeboat accepted as a rescue boat.(31.2)
 - **Reg.III/32(Effective from 1 July, 2008)**

- Added the requirement of appropriate size of the immersion suit.(32.3.2, 32.3.3)
- Added the location of additional liferaft in accordance with Reg.III/31.1.4 for remotely working stations to which the immersion suits were required.(31.3.3)

– **Reg.III/35(Effective from 1 July, 2008)**

- Added the requirement of working language of the ship for the training manual.(35.5)

2. ILL Amendmdnts(Res.MSC.223(82)) (Effective from 1 July 2008)

– **Annex B. Annex 1. Chapter II. Reg 22. :**

: Amended quotation in order to change the application scope.

– **Annex B. Annex 1. Chapter III. Reg 39. :**

: Amended the di from the draught at 85% of the depth D in metres to the draught at 85% of the least moulded depth in metres.

3. Amendments to mandatory codes (Res.MSC.217, 218, 219, 220, 221 and 222(82))

1) Code for Fire Safety Systems(FSS Code) (Res. MSC.217(82))

– **Amendments to Chapter 4, 6, 7 and 9 (Effective from 1st July 2008)**

- Chapter 4. Section 3. A part of the requirements of portable foam applicators
- Chapter 6. Section 2. A part of the requirements of fixed low-expansion foam fire-extinguishing system
- Chapter 7. Section 2. A part of the requirements of fixed pressure water -spraying fire-extinguishing systems
- Chapter 9. Newly added the requirements of fixed fire detection and fire alarm systems for cabin balconies.

– **Amendment to Chapter 9 (Effective from 1 July 2010)**

- : Chapter 9. A part of the requirements of fixed fire detection and fire alarm system for passenger ship.

2) International Life-saving Appliance(LSA) Code (Res.MSC.218(82)) (Effective from 1 July 2008)

- Chapter 1 A part of the requirements of lifejacket and immersion suit.
- Chapter 4 A part of the requirements of food ration, fresh water, liferaft, lifeboat, release mechanism for lifeboats and fast rescue boat.
- Chapter 5 A part of the requirements of rescue boat and inflated rescue boat, newly added the requirements of fast rescue boat(5.1.4).
- Chapter 6 A part of the requirements of launching and embarkation appliances, newly added the requirements of launching appliances for fast rescue boat.
- Chapter 7 Deleted a requirement of audible area of emergency alarm(7.2.1.1) and transferred to SOLAS Reg.III/6.4.3.

3) IBC Code (Res. MSC.219(82)) (Effective 1 January 2009)

- Chapter 11 Amended the applicable ships to the fixed local application fire-fighting systems, protection of cargo pump room and EEBD.
- Retroactivity : A system for monitoring of flammable vapours shall be fitted on ships of 500GT and over constructed before 1 January 2009 by the date of the first scheduled dry-docking after 1 January 2009.
- Chapter 17 Mixtures of noxious liquid substances provisionally assessed under Reg.6.3 of MARPOL Annex II were included in the list of noxious liquid on IBC Code.

4) IGC Code (Res. MSC.220(82)) (Effective from 1 July 2008)

- Amended the quotation of paragraph 3.3, 11.2, 11.5, and amended the fire safety requirements of 11.1.
- Chapter 19 Dimethyl, Carbon dioxide were added to summary of minimum requirement.

5) HSC Code (Effective from 1 July 2008)

: Amended in accordance with the 1996 and 2000 SOLAS amendments.

- 1994 HSC Code (Res. MSC.221(82))

: Chapter 1, 8, 13, 14. Annex1, 7 and Foot note.

- 2000 HSC Code(Res.MSC.222(82))

: Chapter 1, 2, 4, 6, 7, 8, 10, 11, 13, 14. 18, Annex1, 6, 7, 8, 9, 10, 12 and Foot.

4. Amendments to non-mandatory codes

1) Dynamically Supported Craft(DSC) Code (Res. MSC.224(82))

(Effective from 1 July 2008)

- Chapter 8 : Newly added or amended the thorough examination of launching appliances, winch braking test, interval of inflatable liferaft and marine evacuation system, approval and maintenance of the novel lifesaving equipment.
- Newly added the requirements of AIS, VDR and ECDIS instead of nautical chart in accordance with the amendments to SOLAS Chapter V.

2) GC Code (Res. MSC.225(82)) (Effective from 1 July 2008)

: Added the requirements of EEBD, operations, deep-fat cooking equipment, and prohibited fire-extinguishing system using Halon in accordance with the amendments to SOLAS Chapter II-2.

3) Recommendation on testing of life-saving appliances (Res. MSC.226(82))

(Effective from 1 July 2008)

: Amended a part of the requirements of lifebuoy, lifejacket, immersion suit, lifeboat, rescue boats, fast rescue boat and launching appliances.

5. Other Circular approved at this time

1) **MSC.1/Circ.1212** : Guidelines on alternative design and arrangements for Reg.II-1/55 and III/38.

2) **MSC.1/Circ.1213** : Interpretation and application of the IGC code for ships carrying liquefied carbon dioxide in bulk.

3) **MSC.1/Circ.1214** : Performance standards for the systems and services to remain operational on passenger ships for safe return to port and orderly evacuation and abandonment after a casualty.

4) **MSC.1/Circ.1215** – Early implementation of amendments to SOLAS chapter III and LSA Code

: This circular encourages early implementation of the amendments to SOLAS chapter III and the LSA Code Res.MSC.201(81), MSC.207(81)(Effective from 1 July 2010), MSC.216(82) and MSC.218(82)(Effective from 1 July 2008). Contracting Governments shall provide appropriate documentation for ships flying their flag to which such early implementation has been granted and port States to accept such early implementation.

5) **MSC.1/Circ.1219** – Interim LRIT technical specifications and other matters

: For early implementation of LRIT, this circular includes technical specification for the International LRIT Data Exchange, international LRIT Data Centre, for communications within the LRIT System network, protocols for the development testing of the LRIT System and for testing the integration into the system of new LRIT data centres, guidance on setting up and maintaining the Data Distribution Plan. (Final technical specifications and other matters required further expert development should be established)

6) **MSC.1/Circ.1220** : Voluntary structural guidelines for new ships carrying liquids in bulk containing Benzene.


7) **MSC.1/Circ.1221** – Validity of type approval certification for marine products

: Type Approval Certificate generally valid for not more than 5 years. However the validity of the Type Approval Certificate itself has no influence on the operational validity of a product accepted and installed onboard a ship. Therefore, the products need not be renewed or replaced due to expiration of such Type Approval Certificate.

8) **MSC.1/Circ.1222** : Guidelines on annual testing of VDR and S-VDR

: The annual testing should be carried out by the manufacturer or a person authorized by the manufacturer. And the certificate of compliances retained on board was provided on this circular.

- 9) **MSC.1/Circ.1223** : Guidelines for pre-planning of surveys in dry dock of ships which are not subject to the enhanced
- 10) **MSC.1/Circ.1224** : Unified interpretation of the gyro compass fitted as the "other means" for magnetic compass.
- 11) **MSC.1/Circ.1226** : Interim explanatory notes to the SOLAS Chapter II-1 subdivision and damage stability regulations.
- 12) **MSC.1/Circ.1228** : Guidance to the master for avoiding dangerous situations in adverse weather and sea conditions.(Revision of MSC/Circ.707)
- 13) **MSC.1/Circ.1229** : Guidelines for the approval of stability instruments.
- 14) **MSC.1/Circ.1231** : Interim scheme for the compliance of ISM to certain cargo ships and special purpose ships
: Cargo ships of 500GT and upwards by ITC but less than 500GT by national tonnage rules and special purpose ships of 500GT by ITC other than government operated ships used for non-commercial purposes, which have not been required to comply with the ISM by Res.A.494(XII) and SPS Code, shall comply with the ISM not later than 1 January 2010.
- 15) **MSC.1/Circ.1232** : Contact information for the designated national competent authority on IMDG Code Annex.

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Distribution: All surveyors, Shipowners, Shipbuilders, Industries, Institutes, Administrations

Attachments : Report of MSC 82(IMO document MSC82/24/Add.1, Add.2)