

Subject: Technical Information No. 2011-005
List of Amendments on Statutory Regulations



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All respectful ICS surveyors

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با سلام
احتراماً سند مربوط به موضوع فوق‌الذکر را جهت انجام بهره‌برداری‌های لازم ملاحظه فرمائید. سند مذکور در شبکه داخلی موسسه با آدرس ذیل قابل دسترسی می‌باشد:
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همچنین نسخه الکترونیکی و هارد کپی این سند به کلیه شعب موسسه نیز توسط پست ارسال می‌گردد.

عبدالله جمالی
مدیریت واحد کنوانسیون‌ها و مقررات دریایی
موسسه رده بندی ایرانیان

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1. Introduction

1.1 General

This Guideline presents the list of latest changes on statutory Regulations which entered into force from January 1st 2011 or will enter into force till the end of this year. In the body of this document the list of the above mentioned amendments are instructed and the details related to each item can be found in the attached annex. The electronic file of this document is available in the ICS network with the following address:

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1.2 Changes

This edition dated 2011.Feb.7 and any other necessary changes related to this document will be announced after this date. Also please be informed that the previous version of this document was distributed by Code: ICS32I003/1, Dated December 2010, while in this new one changes is amended to the document (Item No.38 related to BWM has been added).

2. Body

Table 1. List of Amendments on statutory Regulations

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
1	1/1/2011	AFS		Reference	<u>2010 Guidelines for survey and certification of AFS on ships</u>	Res.MEPC.195(61)
2	1/1/2011	HSC 2000 / Ch.7	Para.7.17	Amend	Requirements for craft and cargo spaces intended for the carriage of dangerous goods	Res.MSC.271(85)
3	1/1/2011	HSC 2000 / Ch.7	Para.7.17	Amend(RetroActive)	Requirements for craft and cargo spaces intended for the carriage of dangerous goods	Res.MSC.271(85)
4	1/1/2011	IMSBC Code		Amend(RetroActive)	International Maritime Solid Bulk Cargoes Code (IMSBC Code)	Res.MSC.267(85)
5	1/1/2011	MARPOL / Annex I	Reg.40-42	Amend	Addition of a new chapter 8(Reg. 40, 41, 42) to the MARPOL Annex I	Res.MEPC.186(59)
6	1/1/2011	MARPOL / Annex I	Reg.1, 12, 13, 17, 38, IOPP certificate, Oil record book	Amend	Amendments to regulations 1, 12, 13, 17 and 38 of MARPOL Annex I, Supplement to the IOPP Certificate and Oil Record Book part I and II	Res.MEPC.187(59)
7	1/1/2011	MARPOL / Annex I	Reg.12	UI	<u>Unified interpretation on MARPOL Annex I regulation 12 for oil residue(sludge) tank</u>	MEPC 61/24 Annex 14
8	1/1/2011	MARPOL / Annex VI	Reg.14.2	Reference	<u>2010 Guidelines for monitoring the worldwide average sulphur content of fuel oils</u>	Res.MEPC.192(61)
9	1/1/2011	MSC Circular / MSC.1/Circ.1350		UI	<u>Unified interpretation of SOLAS regulation V/22.1.6 relating to navigation bridge visibility</u>	MSC.1/Circ.1350
10	1/1/2011	MSC Circular / MSC.1/Circ.1351		UI	<u>Interpretation of stowage and segregation requirements for brown coal briquettes and coal related to "hot areas" in the IMSBC Code</u>	MSC.1/Circ.1351
11	1/1/2011	MSC Resolution / Res.MSC.304(87)		Amend(RetroActive)	<u>Amendments to the Code of Practice for the Safe Loading and Unloading of Bulk Carriers (BLU Code)</u>	Res.MSC.304(87)

Table 1. List of Amendments on statutory Regulations (Continued)

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
12	1/1/2011	SOLAS / Appendix	Certificates	Amend(RetroActive)	Amendment to Record of Certificates	Res.MSC.282(86)
13	1/1/2011	SOLAS / Ch.II-1	Reg.3-5	Amend(RetroActive)	Prohibition of new installation of materials containing asbestos	Res.MSC.282(86)
14	1/1/2011	SOLAS / Ch.II-1	Reg.35-1	Amend	Bilge pumping arrangements	Res.MSC.282(86)
15	1/1/2011	SOLAS / Ch.II-2	Reg.16.2.1	Amend(RetroActive)	Operations	Res.MSC.269(85) Annex 2
16	1/1/2011	SOLAS / Ch.II-2	Reg.19	Amend	Special requirements for carriage of dangerous goods (new ships)	Res.MSC.269(85) Annex 2
17	1/1/2011	SOLAS / Ch.II-2	Reg.19.3 and Reg.1.2.4	Amend(RetroActive)	Special requirements for carriage of dangerous goods (existing ships)	Res.MSC.269(85) Annex 2
18	1/1/2011	SOLAS / Ch.V	Reg.19.2.1.4, 19.2.10 and 19.2.11	Amend(RetroActive)	Carriage requirements for Electronic Chart Display and Information System (ECDIS)	Res.MSC.282(86)
19	1/1/2011	SOLAS / Ch.V	Reg.19.2.2.3 and 19.2.2.4	Amend(RetroActive)	Carriage requirements for Bridge Navigational Watch Alarm System (BNWAS)	Res.MSC.282(86)
20	1/1/2011	SOLAS / Ch.V	Reg.18	Amend(RetroActive)	Approval, surveys and performance standards of navigational systems and equipment and VDR	Res.MSC.282(86)
21	1/1/2011	SOLAS / Ch.VI	Reg.1	Amend(RetroActive)	Carriage of cargoes	Res.MSC.282(86)
22	1/1/2011	SOLAS / Ch.VI	Reg.1-1	Amend(RetroActive)	Carriage of cargoes (Definitions)	Res.MSC.269(85) Annex 2
23	1/1/2011	SOLAS / Ch.VI	Reg.1-2	Amend(RetroActive)	Carriage of cargoes (Mandatory application of IMSBC Code)	Res.MSC.269(85) Annex 2
24	1/1/2011	SOLAS / Ch.VI	Reg.2	Amend(RetroActive)	Cargo information	Res.MSC.269(85) Annex 2
25	1/1/2011	SOLAS / Ch.VI	Reg.3	Amend(RetroActive)	Oxygen analysis and gas detection equipment	Res.MSC.269(85) Annex 2

Table 1. List of Amendments on statutory Regulations (Continued)

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
26	1/1/2011	SOLAS / Ch.VI	Part B	Amend(RetroActive)	Special Provisions for bulk cargoes other than grain	Res.MSC.269(85) Annex 2
27	1/1/2011	SOLAS / Ch.VI	Reg.6	Amend(RetroActive)	Acceptability for shipment	Res.MSC.269(85) Annex 2
28	1/1/2011	SOLAS / Ch.VI	Reg.7	Amend(RetroActive)	Loading, unloading and stowage of bulk cargoes	Res.MSC.269(85) Annex 2
29	1/1/2011	SOLAS / Ch. VII	Reg.7-1	Amend(RetroActive)	Carriage of dangerous goods in solid form in bulk - application	Res.MSC.269(85) Annex 2
30	1/1/2011	SOLAS / Ch. VII	Reg.7-5	Amend(RetroActive)	Requirements for the carriage of dangerous goods in solid form in bulk	Res.MSC.269(85) Annex 2
31	1/1/2011	SOLAS - 1988 Protocol / Appendix	Certificates	Amend(RetroActive)	Amendment to Record of Certificates	Res.MSC.283(86)
32	5/1/2011	MEPC Resolution / Res.MEPC.191(60)		Amend(RetroActive)	Establishment of the effective date of the Special Area requirements for the Wider Caribbean Region Special Area in accordance with MARPOL Annex V	Res.MEPC.191(60)
33	6/1/2011	MSC Circular / MSC.1/Circ.1367		Amend(RetroActive)	Amendments to the International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual	MSC.1/Circ.1367
34	8/1/2011	MARPOL / Annex I	Reg.43	Amend(RetroActive)	Special requirements for the use or carriage of oils in the Antarctic area	Res.MEPC.189(60)
35	8/1/2011	MARPOL / Annex VI	Reg.13	Amend(RetroActive)	Addition of NOx Emission Control Area(ECA) (North American ECA)	Res.MEPC.190(60)
36	8/1/2011	MARPOL / Annex VI	Reg.14	Amend(RetroActive)	Addition of SOx Emission Control Area(ECA) (North American ECA)	Res.MEPC.190(60)
37	8/1/2011	MARPOL / Annex VI	Appendix VII	Amend(RetroActive)	North American Emission Control Area (Regulation 13.6 and regulation 14.3)	Res.MEPC.190(60)

38	New convention not yet in force	BWM CONVENTION		Reference	BWM Convention (International Convention for the control and management of ships' ballast water and sediments)	Res. A.1005(25)
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3. References:

1. KR-Con Website (Convention Today):
<http://krcon.krs.co.kr/>
2. IMO Website (Action Dates):
<http://www.imo.org>
3. RINA Website
<http://www.rina.org>

Annex I

Table 1a. Details on List of Amendments on statutory Regulations (Table 1 of this Document)

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
1	1/1/2011	AFS		Reference	2010 Guidelines for survey and certification of AFS on ships	Res.MEPC.195(61)
Application : <ul style="list-style-type: none"> ○ The Committee adopted the revised draft text prepared by the Sub-Committee on Flag State Implementation (FSI 18) to revise the 2002 Guidelines. 						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
2	1/1/2011	HSC 2000 / Ch.7	Para.7.17	Amend	Requirements for craft and cargo spaces intended for the carriage of dangerous goods	Res.MSC.271(85)
<p>Application : High speed passenger and cargo craft constructed on or after 1 January 2011</p> <p>○ Note 1 of Table 7.17-1</p> <p>: For classes 4 and 5.1 solids not applicable to closed freight containers. For classes 2, 3, 6.1 and 8 when carried in closed freight containers the ventilation rate may be reduced to not less than two air changes per hour. For classes 4 and 5.1 liquids when carried in closed freight containers, the ventilation rate may be reduced to not less than two air changes per hour. For the purpose of this requirement a portable tank is a closed freight container.</p> <p>○ Table 7.17-3 is replaced as follows.</p>						

Section	Class	1.1 to 1.6 ⁹	1.4S	2.1	2.2	2.3 flammable ¹⁷	2.3 non-flammable	3 FP ₁₂ < 23°C	3 FP ₁₂ ≥ 23°C to ≤ 60°C	4.1	4.2	4.3 liquids ¹⁸	4.3 solids ¹⁰	5.1 ¹⁰	5.2 ¹³	6.1 liquids FP ₁₂ < 23°C	6.1 liquids FP ₁₂ ≥ 23°C to ≤ 60°C	6.1 liquids	6.1 solids	8 liquids FP ₁₂ < 23°C	8 liquids FP ₁₂ ≥ 23°C to ≤ 60°C	8 liquids	8 solids	9
7.17.3.1.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.1.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.1.3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.1.4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.4.1	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.4.2	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.5	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.6	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.7	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.8	X ⁸	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.17.3.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Notes:

8 When "mechanically-ventilated spaces" are required by the IMDG Code.

9 Stow 3 m horizontally away from the machinery space boundaries in all cases.

10 Refer to the IMDG Code.

11 As appropriate for the goods to be carried.

12 FP means flashpoint.

13 Under the provisions of the IMDG Code, stowage of class 5.2 dangerous goods under deck or in enclosed ro-ro spaces is prohibited.

14 Only applicable to dangerous goods evolving flammable vapour listed in the IMDG Code.

15 Only applicable to dangerous goods having a flashpoint less than 23°C listed in the IMDG Code.

16 Only applicable to dangerous goods having a subsidiary risk class 6.1.

17 Under the provisions of the IMDG Code, stowage of class 2.3 having subsidiary risk class 2.1 under deck or in enclosed ro-ro spaces is prohibited.

18 Under the provisions of the IMDG Code, stowage of class 4.3 liquids having a flashpoint less than 23°C under deck or in enclosed ro-ro spaces is prohibited.

○ Paragraph 7.17.1 is amended as follows:

In addition to complying with the requirements of paragraph 7.15 for cargo craft and with the requirements of paragraph 7.8 for both passenger and cargo craft as appropriate, craft types and cargo spaces referred to in 7.17.2 intended for the carriage of dangerous goods shall comply with the requirements of this paragraph, as appropriate, except when carrying dangerous goods in limited quantities* and excepted quantities**, unless such requirements have already been met by compliance with the requirements elsewhere in this chapter. The types of craft and modes of carriage of dangerous goods are referred to in 7.17.2 and in Table 7.17-1, where the numbers appearing in 7.17.2 are referred to in the top line. Cargo craft of less than 500 gross tonnage constructed on or after 1 July 2002 shall comply with this paragraph, but the Administration of the State whose flag the craft is entitled to fly may, in consultation with the port State, reduce the requirements and such reduced requirements shall be recorded in the document of compliance referred to in 7.17.4.

* Reference is made to chapter 3.4 of the International Maritime Dangerous Goods Code (IMDG Code) for the provisions on the carriage of "limited quantities"

** Refer to chapter 3.5 of the IMDG Code.

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
3	1/1/2011	HSC 2000 / Ch.7	Para.7.17	Amend(RetroActive)	Requirements for craft and cargo spaces intended for the carriage of dangerous goods	Res.MSC.271(85)
<p>Application : High speed passenger and cargo craft constructed on or after 1 July 2002 but before 1 January 2011</p> <p>○ The following is added to paragraph 7.17.1:</p> <p>Craft constructed on or after 1 July 2002 but before 1 January 2011, with cargo spaces intended for the carriage of packaged dangerous goods, shall comply with 7.13.3, except when carrying dangerous goods specified as classes 6.2 and 7 and dangerous goods in limited quantities* and excepted quantities** in accordance with tables 7.17-1 and 7.17-3, not later than the date of the first renewal survey on or after 1 January 2011.</p> <p>* Refer to chapter 3.4 of the IMDG Code. ** Refer to chapter 3.5 of the IMDG Code.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
4	1/1/2011	IMSBC Code		Amend(RetroActive)	International Maritime Solid Bulk Cargoes Code (IMSBC Code)	Res.MSC.267(85)
<p>Application : Ships carrying solid bulk cargoes as defined in Reg.VI/1-1 of SOLAS</p> <p>○ Ships carrying solid bulk cargoes as defined in Reg.VI/1-1.2 of SOLAS shall comply with the requirements of IMSBC Code from 1 January 2011.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
5	1/1/2011	MARPOL / Annex I	Reg.40~42	Amend	Addition of a new chapter 8(Reg. 40, 41, 42) to the MARPOL Annex I	Res.MEPC.186(59)
<p>Application : Oil tankers of 150 GT and above engaged in the transfer of oil cargo between oil tankers at sea(STS operations)</p> <p>○ Reg. 40(Scope of application) :</p> <p>This regulations contained in this chapter apply to oil tankers of 150 GT and above engaged in the transfer of oil cargo between oil tankers at sea(STS operations) and their STS operations conducted on or after 1 April 2012.</p> <p>○ Reg. 41(General rules on safety and environmental protection)</p> <p>- Any oil tanker involved in STS operations shall carry on board the STS operations Plan approved by the Administration not later than the date of the first annual, intermediate or renewal survey of the ship to be carried out on or after 1 January 2011.</p> <p>- The STS operations Plan shall be developed taking into account the information contained in the best practice guidelines for STS operations identified by the Organization, i.e., IMO's "Manual on Oil Pollution, Section I , Prevention" as amended, and the ICS and OCIMF "Ship-to-ship Transfer Guide, Petroleum" , fourth edition, 2005 .</p> <p>- The person in overall advisory control of STS operations shall be qualified to perform all relevant duties, taking into account the qualifications contained in the best practice guidelines for STS operations identified by the Organization as mentioned above.</p> <p>- Records of STS operations shall be retained on board for three years.</p> <p>○ Reg. 42(Notification) :</p> <p>- Each oil tanker subject to that plans STS operations within the territorial sea, or the exclusive economic zone of a Party to the present Convention shall notify that Party not less than 48 hours in advance of the scheduled STS operations.</p> <p>○ New section 8A related to STS operations is added to From B of supplement to the IOPP certificate.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
6	1/1/2011	MARPOL / Annex I	Reg.1, 12, 13, 17, 38, IOPP certificate, Oil record book	Amend	Amendments to regulations 1, 12, 13, 17 and 38 of MARPOL Annex I, Supplement to the IOPP Certificate and Oil Record Book part I and II	Res.MEPC.187(59)
<p>Application : Oil tankers of 150 gross tonnage and above and any other ships of 400 gross tonnage and above. But, revised Reg.12.3.2.1~2(sludge tank) are applied to the ships constructed on or after 1 January 2011.</p> <p>○ Reg. 1(Definitions) : New definitions concerning oil residues(sludge), oil residue(sludge) tank, oily bilge water, oily bilge water holding tank are added.</p> <p>○ Reg. 12(tanks for oil sludge) : The requirements for the sludge tank is transferred from an unified interpretation to the formal regulation and revised partially as follows.</p> <p>- Reg. 12.3.2.1 : The oil residue(sludge) tank(s) shall be provided with a designated pump for disposal that is capable of taking suction from the oil residue(sludge) tanks(s).</p> <p>- Reg. 12.3.2.2 : Sludge tanks shall be separated from bilge systems. But arrangements may be made for draining of settled water from the sludge tanks to an oily bilge water holding tank or bilge well if manually operated self-closing valves and arrangements for subsequent visual monitoring of the settled water are provided.</p> <p>○ Reg. 12, 13, 17, 38 : The word “sludge” is replaced by the words “oil residue(sludge)”, and the existing words “and other oil residues” are deleted.</p> <p>○ Amendments to the supplement to the IOPP certificate form A and form B :</p> <p>- “Paragraph 3.2.3 - Tank for mixing oil residues with fuel oil, capacity m³” on the IOPPC form A/B is deleted.</p> <p>- “(Double bottom requirements)” on the Paragraph 5.8.2 of IOPPC form B is deleted.</p> <p>- The checking item of paragraph 5.8.5 and 5.8.7 on the IOPPC form B is subdivided.</p> <p>- “Paragraph 6.1.5.4 - Oil like noxious liquid substances” on the IOPPC form B is deleted.</p> <p>○ Amendments to the Oil Record Book parts I</p> <p>- Paragraph 11.4(quantity of residue collected by manual operation) on the Code (C) is added.</p> <p>- Paragraph 15.3(transfer of bilge water to slop tank or holding tank or other tanks) of Code (d) is added.</p> <p>○ Amendments to the Oil Record Book parts II : The title of Code (J) is partially amended.</p>						

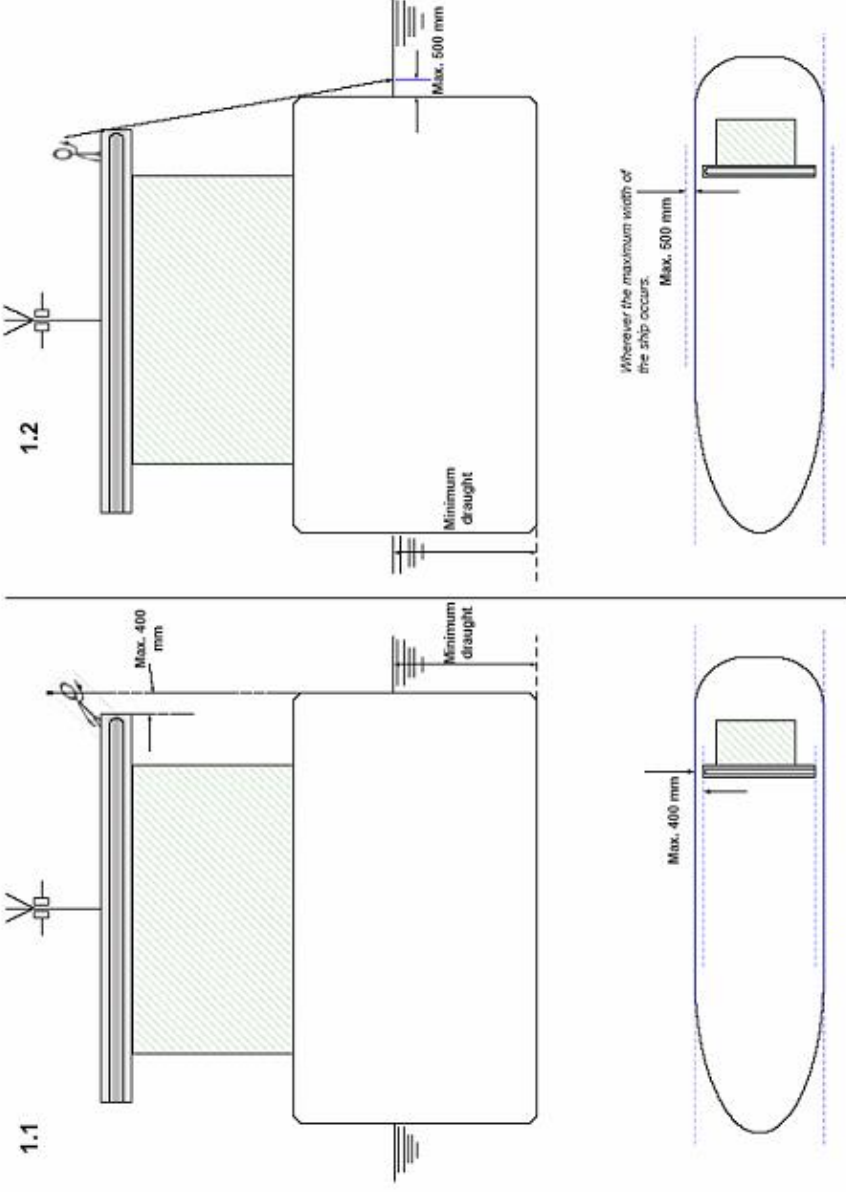
No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
7	1/1/2011	MARPOL / Annex I	Reg.12	UI	<u>Unified interpretation on MARPOL Annex I regulation 12 for oil residue(sludge) tank</u>	MEPC 61/24 Annex 14
<p>Application :</p> <p>the U.I for oil residue(sludge) service tanks(ie, waste oil tank) which are tanks for preparation of oil residue(sludge) for incineration on board is approved by MEPC 61st Committee as follows:</p> <ul style="list-style-type: none"> • Any pump used to transfer oil residue(sludge) to incinerators or boilers also should be interpreted as a designated pump which is required by Reg.12.2 • If these tanks are equipped with suitable means for drainage, a designated pump for the discharge of the tank content to reception facilities should not be mandatory. 						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
8	1/1/2011	MARPOL / Annex VI	Reg.14.2	Reference	<u>2010 Guidelines for monitoring the worldwide average sulphur content of fuel oils</u>	Res.MEPC.192(61)
<p>Application :</p> <p>Res.MEPC.192 (61) → Enter into force on 1 January 2011</p> <ul style="list-style-type: none"> o In accordance with MARPOL Annex VI Reg.14.2, annual sculpture monitoring results for residual fuel oil have been reported to IMO. (the average sculpture content of the tested residual fuel oil on a sample number basis in 2009 was 2.35% m/m, and based on actual quantities was 2.60% m/m). o This Guidelines is the amendment to the 2009 Guidelines, the main changes are as follows. <ul style="list-style-type: none"> • The scope of the monitoring will be extended to cover distillate fuels. • It was changed from on a sample number based to on actual quantity based. 						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
9	1/1/2011	MSC Circular / MSC.1/Circ.1350		UI	Unified interpretation of SOLAS regulation V/22.1.6 relating to navigation bridge visibility	MSC.1/Circ.1350

Application : Ships contracted for construction on or after 1 January 2011

- The requirements of SOLAS regulation V/22.1.6 (the ship's side shall be visible from the bridge wing) are accomplished in the case of 1.1 or 1.2 in the following figure.



No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
10	1/1/2011	MSC Circular / MSC.1/Circ.1351		UI	<u>Interpretation of stowage and segregation requirements for brown coal briquettes and coal related to "hot areas" in the IMSBC Code</u>	MSC.1/Circ.1351

Application : Ships to which IMSBC Code is applicable

- ① The words "adjacent to hot areas" in stowage and segregation requirements for brown coal briquettes and coal in the IMSBC Code should be interpreted as follows:
 boundary areas of the cargo hold in contact with the cargo, having a temperature consistently greater than 55°C during carriage of the cargo, such as can sometimes be experienced when heated fuel oil service tanks and fuel oil settling tanks have a common boundary with the cargo hold.
- ② In applying the aforementioned interpretation, the following is taken into account:
 Heated fuel oil tanks adjacent to cargo spaces carrying these cargoes should not normally be considered as "hot areas" when the fuel oil temperature is controlled at less than 55°C; this temperature is not exceeded for periods greater than 12 hours in any 24-hour period; and the maximum temperature of the fuel oil reached does not exceed 65°C.

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
11	1/1/2011	MSC Resolution / Res.MSC.304(87)		Amend(RetroActive)	<u>Amendments to the Code of Practice for the Safe Loading and Unloading of Bulk Carriers (BLU Code)</u>	Res.MSC.304(87)

Application : Bulk carriers

- Consequential amendments in view of the envisaged mandatory application of IMSBC Code (e.g, reference to BC Code -> reference to IMSBC Code) etc.

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
12	1/1/2011	SOLAS / Appendix	Certificates	Amend(RetroActive)	Amendment to Record of Certificates	Res.MSC.282(86)
<p>Application : All ships</p> <p>○ Amendments to Record of SOLAS Certificates</p> <p>- The new item "Bridge navigational watch alarm system (BNWAS)" is added to the section "Detail of navigational system and equipment" in Record of PS, SE, PNUC and CNUC.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
13	1/1/2011	SOLAS / Ch.II-1	Reg.3-5	Amend(RetroActive)	Prohibition of new installation of materials containing asbestos	Res.MSC.282(86)
<p>Application : All ships</p> <p>○ Although new installation of materials containing asbestos is being prohibited now, there exist exceptions. However, from 1 January 2011, for all ships, new installation of materials which contain asbestos shall be prohibited without the exception.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
14	1/1/2011	SOLAS / Ch.II-1	Reg.35-1	Amend	Bilge pumping arrangements	Res.MSC.282(86)
<p>Application : Ships constructed on or after 1 January 2011</p> <p>○ Following new paragraph 2.6.3 is added.</p> <p>2.6.3 Provisions for the drainage of closed vehicle and ro-ro spaces and special category spaces shall also comply with regulations II-2/20.6.1.4 and II-2/20.6.1.5.</p> <p>○ The above amendment to Reg.II-1/35-1 was supposed to be adopted together with the amendments to Reg.II-2/20 including regulations II-2/20.6.1.4 and II-2/20.6.1.5 at MSC 84 (May 2008). However, due to the reason that the effective date of the original Reg.II-1/35-1 (adopted by Res.MSC.194 (80)) is 1 January 2009, the amendment to Reg.II-1/35-1 could not be adopted at MSC 84(May 2008) and was adopted at MSC 86 (June 2009) after the original Reg.II-1/35-1 entered into force in 1 January 2009.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
15	1/1/2011	SOLAS / Ch.II-2	Reg.16.2.1	Amend(RetroActive)	Operations	Res.MSC.269(85) Annex 2
<p>Application : All ships regardless of construction date</p> <p>○ In paragraph 2.1 regarding fire safety operational booklets, the reference to the Code of Safe Practice for Solid Bulk Cargoes is changed to the International Maritime Solid Bulk Cargoes (IMSBC) Code.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
16	1/1/2011	SOLAS / Ch.II-2	Reg.19	Amend	Special requirements for carriage of dangerous goods (new ships)	Res.MSC.269(85) Annex 2

Application : Ships carrying dangerous goods constructed on or after 1 January 2011

○ Ships carrying dangerous goods constructed on or after 1 January 2011 shall comply with the following amended Reg.II-2/19.

Paragraph 2.1: In addition to complying with the requirements of regulations in Parts B, C, D and E and regulations 18 and 20* as appropriate, ship types and cargo spaces, referred to in paragraph 2.2, intended for the carriage of dangerous goods shall comply with the requirements of this regulation, as appropriate, except when carrying dangerous goods in limited quantities** and excepted quantities*** unless such requirements have already been met by compliance with the requirements elsewhere in this chapter. The types of ships and modes of carriage of dangerous goods are referred to in paragraph 2.2 and in table 19.1. Cargo ships of less than 500 gross tonnage shall comply with this regulation, but Administrations may reduce the requirements and such reduced requirements shall be recorded in the document of compliance referred to in paragraph 4.

* Refer to part 7 of the General Introduction to the International Maritime Dangerous Goods Code.

** Refer to chapter 3.4 of the General Introduction to the International Maritime Dangerous Goods Code.

*** Refer to chapter 3.5 of the IMDG Code.

Paragraph 3.6.1: Four sets of full protective clothing resistant to chemical attack shall be provided in addition to the fire-fighter's outfits required by regulation 10.10 and shall be selected taking into account the hazards associated with the chemicals being transported and the standards developed by the Organization according to the class and physical state*. The protective clothing shall cover all skin, so that no part of the body is unprotected.

* For solid bulk cargoes, the protective clothing should satisfy the equipment provisions specified in the respective schedules of the IMSBC Code for the individual substances. For packaged goods, the protective clothing should satisfy the equipment provisions specified in emergency procedures (EmS) of the Supplement to the IMDG Code for the individual substances.

Paragraph 4: The Administration shall provide the ship with an appropriate document as evidence of compliance of construction and equipment with the requirements of this regulation. Certification for dangerous goods, except solid dangerous goods in bulk, is not required for those cargoes specified as class 6.2 and 7 and dangerous goods in limited quantities and excepted quantities.

Note 1 of Table 19.1: For classes 4 and 5.1 solids not applicable to closed freight containers. For classes 2, 3, 6.1 and 8 when carried in closed freight containers, the ventilation rate may be reduced to not less than two air changes per hour. For classes 4 and 5.1 liquids when carried in closed freight containers, the ventilation rate may be reduced to not less than two air changes per hour. For the purpose of this requirement, a portable tank is a closed freight container.

Note 10 of Table 19.2:

The reference to the Code of Safe Practice for Solid Bulk Cargoes is changed to the International Maritime Solid Bulk Cargoes (IMSBC) Code.

Table 19.3 is replaced as follows:

Class	1.1 to 1.6	1.4S	2.1	2.2	2.3 flammable ²⁰	2.3 non-flammable	3 FP ₁₅ < 23°C	3 FP ₁₅ ≥ 23°C to ≤ 60°C	4.1	4.2	4.3 liquids ²¹	4.3 solids	5.1	5.2 ¹⁶	6.1 liquids FP ₁₅ < 23°C	6.1 liquids FP ₁₅ ≥ 23°C to ≤ 60°C	6.1 liquids	6.1 solids	8 liquids FP ₁₅ < 23°C	8 liquids FP ₁₅ ≥ 23°C to ≤ 60°C	8 liquids	8 solids	9
Regulation 19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.1.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.1.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.1.3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.1.4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.4.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.4.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.10.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.10.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Notes:
 11 When "mechanically-ventilated spaces" are required by the IMDG Code.
 12 Stow 3 m horizontally away from the machinery space boundaries in all cases.

13 Refer to the IMDG Code.

14 As appropriate for the goods to be carried.

15 FP means flashpoint.

16 Under the provisions of the IMDG Code, stowage of class 5.2 dangerous goods under deck or in enclosed ro-ro spaces is prohibited.

17 Only applicable to dangerous goods evolving flammable vapour listed in the IMDG Code.

18 Only applicable to dangerous goods having a flashpoint less than 23°C listed in the IMDG Code.

19 Only applicable to dangerous goods having a subsidiary risk class 6.1.

20 Under the provisions of the IMDG Code, stowage of class 2.3 having subsidiary risk class 2.1 under deck or in enclosed ro-ro spaces is prohibited.

21 Under the provisions of the IMDG Code, stowage of class 4.3 liquids having a flashpoint less than 23°C under deck or in enclosed ro-ro spaces is prohibited.

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
17	1/1/2011	SOLAS / Ch.II-2	Reg.19.3 and Reg.1.2.4	Amend(RetroActive)	Special requirements for carriage of dangerous goods (existing ships)	Res.MSC.269(85) Annex 2

Application : Ships carrying dangerous goods constructed before 1 January 2011

○ The following ships, with cargo spaces intended for the carriage of packaged dangerous goods, shall comply with regulation 19.3, except when carrying dangerous goods specified as classes 6.2 and 7 and dangerous goods in limited quantities and excepted quantities in accordance with tables 19.1 and 19.3, not later than the date of the first renewal survey on or after the 1 January 2011:

Keel-laid	1 Sep. 1984 ~ 1 Jul. 1986	1 Jul. 1986 ~ 1 Feb. 1992	1 Feb. 1992 ~ 1 Jul. 1998	1 Jul. 1998 ~ 1 Jan. 2011
cargo ships of 500 GT and upwards & passenger ships	Shall comply with regulation 19.3 not later than the date of the first renewal survey on or after the 1 January 2011			
cargo ships of less than 500 GT	N/A		Shall comply with regulation 19.3 not later than the date of the first renewal survey on or after the 1 January 2011	

○ Notwithstanding above requirements, the following exceptions apply for ships constructed on or after 1 September 1984 but before 1 January 1011. (paragraphs 2.4.3 ~ 2.4.6)

	1 Sep. 1984 ~ 1 Jul. 1986	1 Jul. 1986 ~ 1 Feb. 1992	1 Feb. 1992 ~ 1 Jul. 1998	1 Jul. 1998 ~ 1 Jan. 2011
cargo ships of 500 GT and upwards & passenger ships	Reg.II-2/19.3.3 (Detection system) Need not comply with regulation 19.3.3 provided that they comply with regulation 54.2.3 as adopted by resolution MSC.1(XLV);	Need not comply with regulation 19.3.3 provided that they comply with regulation 54.2.3 as adopted by resolution MSC.6(48)	-	-
	Reg.II-2/19.3.10.1 & 19.3.10.2 (Separation of ro-ro spaces) Need not comply with regulations 19.3.10.1 and 19.3.10.2			-
cargo ships of less than 500 GT	-	-	Need not comply with regulations 19.3.10.1 and 19.3.10.2	-

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
18	1/1/2011	SOLAS / Ch.V	Reg.19.2.1.4, 19.2.10 and 19.2.11	Amend(RetroActive)	Carriage requirements for Electronic Chart Display and Information System (ECDIS)	Res.MSC.282(86)

Application : All ships (please refer to the following for detailed application)

○ Carriage requirements for Electronic Chart Display and Information System (ECDIS)

Ship type	Gross Tonnage (GT)	Application	
		New ships	Existing ships (other than new ships)
Passenger ships	500 GT and upwards	Ships constructed on or after 1 July 2012	Not later than the first survey on or after 1 July 2014
Tankers *	3,000 GT and upwards	Ships constructed on or after 1 July 2012	Not later than the first survey on or after 1 July 2015
Cargo ships (other than tankers)	50,000 GT and upwards	Ships constructed on or after 1 July 2013	Not later than the first survey on or after 1 July 2016
	20,000 GT and upwards but less than 50,000 GT		Not later than the first survey on or after 1 July 2017
	10,000 GT and upward but less than 20,000 GT		Not later than the first survey on or after 1 July 2018
	3,000 GT and upward but less than 10,000 GT	Ships constructed on or after 1 July 2014	N/A

- Tankers: Oil tanker, Chemical tanker, Gas carrier

○ Administrations may exempt ships from the application of the above requirements when such ships will be taken permanently out of service within two years after the implementation date (for existing ships)

Ship type	Gross Tonnage (GT)	Existing ships that may be exempted from the application by Administrations
Passenger ships	500 GT and upwards	Ships which will be taken permanently out of service before 1 July 2016
Tankers	3,000 GT and upwards	Ships which will be taken permanently out of service before 1 July 2017
Cargo ships (other than tankers)	50,000 GT and upwards	Ships which will be taken permanently out of service before 1 July 2018
	20,000 GT and upwards but less than 50,000 GT	Ships which will be taken permanently out of service before 1 July 2019
	10,000 GT and upward but less than 20,000 GT	Ships which will be taken permanently out of service before 1 July 2020
	3,000 GT and upward but less than 10,000 GT	N/A

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
19	1/1/2011	SOLAS / Ch.V	Reg.19.2.2.3 and 19.2.2.4	Amend(RetroActive)	Carriage requirements for Bridge Navigational Watch Alarm System (BNWAS)	Res.MSC.282(86)

Application : All ships (please refer to the following for detailed application)

○ Carriage requirements for Bridge Navigational Watch Alarm System (BNWAS)

Ship type	Gross Tonnage (GT)	Application	
		New ships	Existing ships (other than new ships)
Passenger ships	All passenger ships	Ships constructed on or after 1 July 2011	Not later than the first survey on or after 1 July 2012
	3,000 GT and upwards	Ships constructed on or after 1 July 2011	Not later than the first survey on or after 1 July 2012
Cargo ships	500 GT and upwards but less than 3,000 GT	Ships constructed on or after 1 July 2011	Not later than the first survey on or after 1 July 2013
	150 GT and upwards but less than 500 GT	Ships constructed on or after 1 July 2011	Not later than the first survey on or after 1 July 2014

○ A bridge navigational watch alarm system (BNWAS) installed prior to 1 July 2011 may be exempted from full compliance with the standards(Res.MSC.128(75)) adopted by the Organization, at the discretion of the Administration.

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
20	1/1/2011	SOLAS / Ch.V	Reg.18	Amend(RetroActive)	Approval, surveys and performance standards of navigational systems and equipment and VDR	Res.MSC.282(86)
Application : BNWAS installed on or after 1 July 2011 ○ The new footnote for performance standards for BNWAS is added in Reg.V/18 "Performance standards for a bridge navigational watch alarm system (BNWAS) (resolution MSC.128(75))"						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
21	1/1/2011	SOLAS / Ch.VI	Reg.1	Amend(RetroActive)	Carriage of cargoes	Res.MSC.282(86)
Application : All ships carrying solid bulk cargoes (other than grain) regardless of construction date ○ Title of Chapter VI is amended as follows: Carriage of Cargoes and Oil Fuels : The title is changed because the new regulation 5-1 regarding MSDS (material safety data sheets) is introduced. ○ Reg.1(Application) is amended as follows: <u>Unless expressly provided otherwise</u> , this chapter applies to the carriage of cargoes (except liquids in bulk, gases in bulk and those aspects of carriage covered by other chapters) which, owing to their particular hazards to ships or persons on board, may require special precautions ...						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
22	1/1/2011	SOLAS / Ch.VI	Reg.1-1	Amend(RetroActive)	Carriage of cargoes (Definitions)	Res.MSC.269(85) Annex 2
<p>Application : All ships regardless of construction date</p> <p>○ The following definitions are added.</p> <p>- IMSBC Code means the International Maritime Solid Bulk Cargoes (IMSBC) Code adopted by the Maritime Safety Committee of the Organization by resolution MSC.268(85), as may be amended by the Organization, provided that such amendments are adopted, brought into force and take effect in accordance with the provisions of article VIII of the present Convention concerning the amendment procedures applicable to the Annex other than chapter I.</p> <p>- Solid bulk cargo means any cargo, other than liquid or gas, consisting of a combination of particles, granules or any larger pieces of material generally uniform in composition, which is loaded directly into the cargo spaces of a ship without any intermediate form of containment.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
23	1/1/2011	SOLAS / Ch.VI	Reg.1-2	Amend(RetroActive)	Carriage of cargoes (Mandatory application of IMSBC Code)	Res.MSC.269(85) Annex 2
<p>Application : Ships carrying solid bulk cargoes (other than grain) regardless of construction date</p> <p>○ The carriage of solid bulk cargoes other than grain shall be in compliance with the relevant provisions of the IMSBC Code.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
24	1/1/2011	SOLAS / Ch.VI	Reg.2	Amend(RetroActive)	Cargo information	Res.MSC.269(85) Annex 2
<p>Application : Ships carrying solid bulk cargoes (other than grain) regardless of construction date</p> <p>○ Paragraph 2 of Reg.VI/2 is amended as follows:</p> <p>2 The cargo information shall include:</p> <p>.1 (the same as the previous one)</p> <p>.2 <u>in the case of solid bulk cargo, information as required by section 4 of the IMSBC Code. (replaced)</u></p> <p>.3 <u>(deleted)</u></p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
25	1/1/2011	SOLAS / Ch.VI	Reg.3	Amend(RetroActive)	Oxygen analysis and gas detection equipment	Res.MSC.269(85) Annex 2
<p>Application : Ships carrying solid bulk cargoes (other than grain) regardless of construction date</p> <p>○ Paragraph 1 of Reg.VI/3 is amended as follows:</p> <p>1 When transporting a <u>solid</u> bulk cargo which is liable to emit a toxic or flammable gas, or cause oxygen depletion in the cargo space, an appropriate instrument for measuring the concentration of gas or oxygen in the air shall be provided together with detailed instructions for its use. Such an instrument shall be to the satisfaction of the Administration.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
26	1/1/2011	SOLAS / Ch.VI	Part B	Amend(RetroActive)	Special Provisions for bulk cargoes other than grain	Res.MSC.269(85) Annex 2
<p>Application : Ships carrying solid bulk cargoes (other than grain) regardless of construction date</p> <p>○ Title of Part B is amended as follows: Special provisions for bulk cargoes other than grain -> Special provisions for solid bulk cargoes</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
27	1/1/2011	SOLAS / Ch.VI	Reg.6	Amend(RetroActive)	Acceptability for shipment	Res.MSC.269(85) Annex 2
<p>Application : Ships carrying solid bulk cargoes (other than grain) regardless of construction date</p> <p>○ Reg.VI/6 is amended as follows: 1. Prior to loading a <u>solid</u> bulk cargo, the master shall be in possession of comprehensive information on the ship's stability and on the distribution of cargo for the standard loading conditions. The method of providing such information shall be to the satisfaction of the Administration. 2. (deleted), 3. (deleted)</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
28	1/1/2011	SOLAS / Ch.VI	Reg.7	Amend(RetroActive)	Loading, unloading and stowage of bulk cargoes	Res.MSC.269(85) Annex 2
<p>Application : Ships carrying solid bulk cargoes (other than grain) regardless of construction date</p> <p>○ Reg.VI/7 is amended as follows:</p> <p>Title: Loading, unloading and stowage of bulk cargoes -> Loading, unloading and stowage of <u>solid</u> bulk cargoes</p> <p>1.~3. (the same as the previous one)</p> <p>4.(deleted), 5.(deleted)</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
29	1/1/2011	SOLAS / Ch.VII	Reg.7-1	Amend(RetroActive)	Carriage of dangerous goods in solid form in bulk - application	Res.MSC.269(85) Annex 2
<p>Application : Ships carrying dangerous goods in solid form in bulk regardless of construction date</p> <p>○ Paragraph 3 of Reg.VII/7-1 is amended as follows:</p> <p>3. To supplement the provisions of this part, each Contracting Government shall issue, or cause to be issued, <u>detailed instructions on the safe carriage of dangerous goods in solid form in bulk which shall include (deleted) instructions on emergency response and medical first aid relevant to incidents involving dangerous goods in solid form in bulk, taking into account the guidelines developed by the Organization.</u></p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
30	1/1/2011	SOLAS / Ch.VII	Reg.7-5	Amend(RetroActive)	Requirements for the carriage of dangerous goods in solid form in bulk	Res.MSC.269(85) Annex 2
<p>Application : Ships carrying dangerous goods in solid form in bulk regardless of construction date</p> <p>○ The following new regulation is added.</p> <p>Reg.VII/7-5 Requirements for the carriage of dangerous goods in solid form in bulk</p> <p>The carriage of dangerous goods in solid form in bulk shall be in compliance with the relevant provisions of the IMSBC Code, as defined in regulation VI/1-1.1.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
31	1/1/2011	SOLAS - 1988 Protocol / Appendix	Certificates	Amend(RetroActive)	Amendment to Record of Certificates	Res.MSC.283(86)
<p>Application : All ships</p> <p>○ Amendments to Record of SOLAS Certificates</p> <p>- The new item "Bridge navigational watch alarm system (BNWAS)" is added to the section "Detail of navigational system and equipment" in Record of PS, SE and CSS.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
32	5/1/2011	MEPC Resolution / Res.MEPC.191(60)		Amend(RetroActive)	Establishment of the effective date of the Special Area requirements for the Wider Caribbean Region Special Area in accordance with MARPOL Annex V	Res.MEPC.191(60)
<p>Application : All ships operating within the Wider Caribbean Region Special Area</p> <p>- The Special Area requirements for this region have not taken effect so far because of lack of notifications from MARPOL Parties whose coastlines border the relevant special area on the existence of adequate reception facilities.</p> <p>- As MEPC 60 established the effective date, the Special Area requirement for the Wider Caribbean Region Special Area will take effective on 1 May 2011.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
33	6/1/2011	MSC Circular / MSC.1/Circ.1367		Amend(RetroActive)	Amendments to the <u>International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual</u>	MSC.1/Circ.1367

Application :

- This Circular is the amendments to IAMSAR Manual Volume I, II and III. The amendments should become applicable on 1 June 2011.

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
34	8/1/2011	MARPOL / Annex I	Reg.43	Amend(RetroActive)	Special requirements for the use or carriage of oils in the Antarctic area	Res.MEPC.189(60)

Application : All ships using, as fuel, or carrying oils in the Antarctic area

- Not applicable to vessels engaged in securing the safety of ships or in a search and rescue operation.
- The carriage in bulk as cargo or carriage and use as fuel of the following shall be prohibited in the Antarctic area.
 - Crude oils having a density at 15 °C higher than 900 kg/m³;
 - Oils, other than crude oils, having a density at 15 °C higher than 900 kg/m³ or a kinematic viscosity at 50 °C higher than 180 mm²/s; or
 - Bitumen, tar and their emulsions.
- When prior operations have included the carriage or use of oils above, the cleaning or flushing of tanks or pipeline is not required.

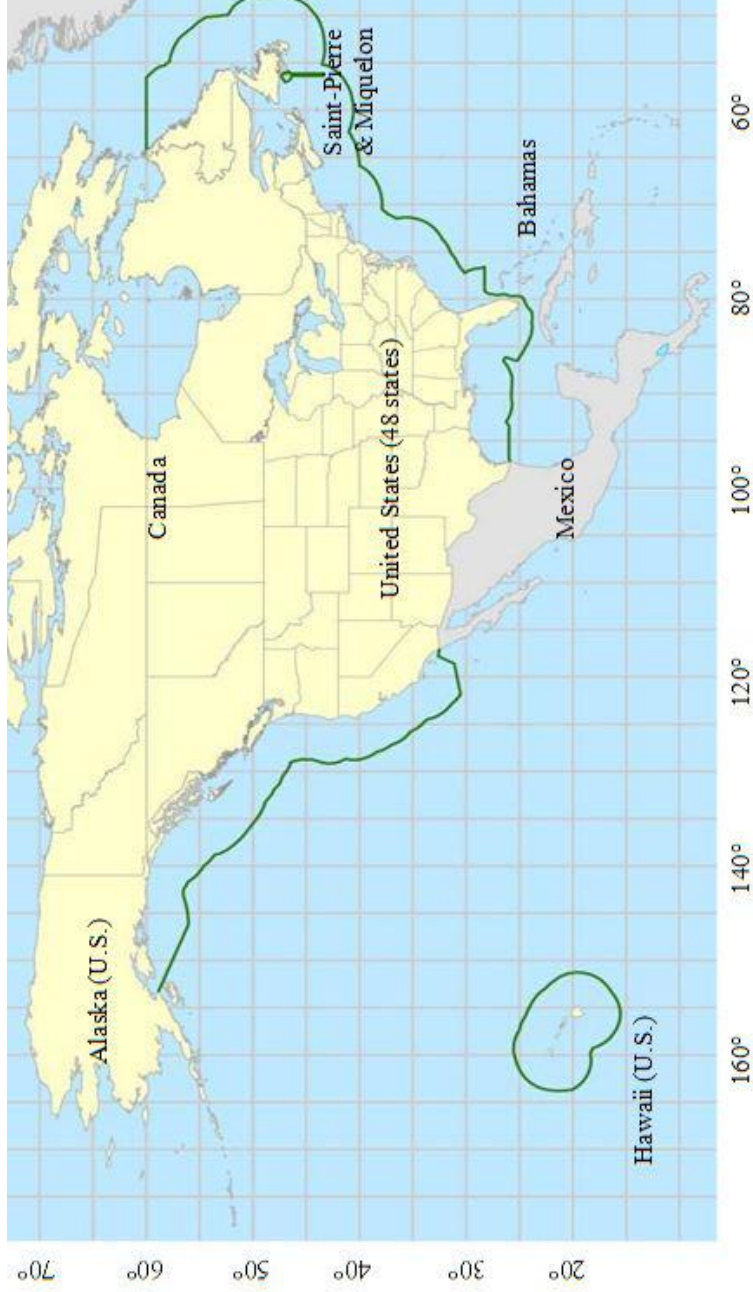
No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
35	8/1/2011	MARPOL / Annex VI	Reg.13	Amend(RetroActive)	Addition of NOx Emission Control Area(ECA) (North American ECA)	Res.MEPC.190(60)
<p>Application : Ships constructed on or after 1 January 2016</p> <p>- A marine diesel engine with a power output of more than 130kW installed on a ship constructed on or after 1 January 2016 shall meet Tier III NOx requirement set out in Reg.13 of the revised MARPOL Annex VI when operating within North American ECA. However, Tier II NO_x requirement is applied when operating outside ECA.</p> <p>- A marine diesel engine installed on a ship constructed before 1 January 2016 shall meet the standards in force at the time the ship was constructed unless the engine is replaced or an additional engine is installed.</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
36	8/1/2011	MARPOL / Annex VI	Reg.14	Amend(RetroActive)	Addition of SOx Emission Control Area(ECA) (North American ECA)	Res.MEPC.190(60)
<p>Application : All ships regardless of their construction date</p> <p>- On or after 1 August 2012 : the sulphur contents of any fuel oil shall not exceed 1.0% m/m when operating within North American ECA (the sulphur contents of fuel oil shall not exceed 1.0% m/m within the Baltic Sea and North Sea on and after 1 July 2010).</p> <p>※ This ECA requirement enters into force on 1 August 2011. However, the requirement will be exempted during 12 months from the entry into force date in accordance with Reg.14.7 of MARPOL Annex VI.</p> <p>- On or after 1 January 2015 : the sulphur content of any fuel oil shall not exceed 0.1% m/m when operating within ECA (this 0.1% sulphur requirement applies to the Baltic Sea and North Sea at the same time)</p>						

No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
37	8/1/2011	MARPOL / Annex VI	Appendix VII	Amend(RetroActive)	North American Emission Control Area (Regulation 13.6 and regulation 14.3)	Res.MEPC.190(60)

Application :

- Proposal for Emission Control Area for NOx, SOx & PM covering all coastal waters to 200 nautical miles from the territorial baseline of the United States and Canada (MEPC 59/6/5) was approved at MEPC 59 and adopted at MEPC 60.
- Reg.13.6 (NOx) and Reg.14.3(SOx) of MARPOL Annex VI were amended and the detailed coordinates are described in the new Appendix VII.



No	Effective Date	Convention	Regulation	Character	Title	Relevant Document
38	New convention not yet in force	BWM CONVENTION		Reference	BWM Convention (International Convention for the control and management of ships' ballast water and sediments)	Res. A.1005(25)
<p>The International Convention for the control and Management of ships' Ballast Water and sediments (BWM Convention) were adopted on 12 February 2004 by a Diplomatic Conference in order to regulate and control ballast water management.</p> <p>The BWM Convention will enter into force twelve months after the date on which not less than thirty States, the combined merchant fleets of which constitute not less than thirty-five percent of the gross tonnage of the world's merchant shipping, have become parties to it.</p> <p>For the management of ballast water, two main standards are defined by the Convention:</p> <p>D1: ballast water exchange with an efficiency of 95% volumetric exchange (for ships exchanging ballast water by the pumping through method, pumping through three times the volume of each ballast tank shall be considered equivalent).</p> <p>D2: allowable limits on viable organisms in ballast water to be discharged, defined as maximum number and size per cubic meter (less than 10 viable organisms per cubic meter greater than or equal to 50 micrometers in minimum dimension and less than 10 viable organisms per milliliter less than 50 micrometers in minimum dimension and greater than or equal to 10 micrometers in minimum dimension). Ballast water management, in compliance with the D-2 standard, will be performed by type approved systems.</p> <p>The BWM Convention and Resolution A.1005 (25) dated 29 November 2007 require ships constructed in 2009 with a ballast water capacity of less than 5,000 cubic meters, to conduct ballast water management meeting at least the D-1 standard until their second annual survey but not later than 31 December 2011; after this date they shall conduct ballast water management meeting at least the D-2 standard.</p> <p>Unless decided otherwise in the future by the single Administrations or the IMO, after the entry into force date of the BWM Convention (at the moment still unknown) ships may be requested to give evidence to have conducted ballast water management according to the above.</p> <p>Application : Ships with a ballast water capacity < 5.000 m3/ Constructed in 2009</p>						