Maritime Knowledge Centre

INFORMATION RESOURCES
ON
BULK CARRIER SAFETY

(Last Updated: 26 March 2010)

Important notice

This information resources document is offered by the Maritime Knowledge Centre specifically to assist those who are conducting research in the area of “Bulk Carrier Safety.” All users of this document should be aware that the information presented in this document has been compiled from a limited variety of sources, which cannot be guaranteed to reflect the most-up-to-date examination or complete survey of the subject concerned or of the associated issues and possible points of view. You may wish to refer to the Internet major search engines for further research.

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Finally, users who have questions regarding the interpretation and/or implementation of IMO instruments should direct such questions to their National Maritime Administration.

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Links to other Relevant Information Resources Documents:  Information Resources on “Double/Single Hull Ship Design and related issues”

IMO MATERIAL ON THE WEBSITE

SeaLibrary Online. Maritime Knowledge Centre Catalogues Online.  


Focus on IMO

IMO and the safety of bulk carriers. In: Focus on IMO, September 1999.  

IMO News Magazine

Notices:
1. For a list of articles in the IMO News Magazines on this subject, please refer to the IMO website  

2. The IRDs changed the contents in 2008 therefore if you wish to receive an archive copy where you can find a full list of articles in the IMO News Magazine on the subject with links to the IMO Website, please contact maritimeknowledgecentre@imo.org  
(Please note that the IRDs were last updated in November/December 2007)

Press Briefings

Notices:
1. For a list of Press Briefings on this subject, please refer to the IMO website  

2. The IRDs changed the contents in 2008 therefore if you wish to receive an archive copy where you can find a full list of Press Briefings on the subject with links to the IMO Website, please contact maritimeknowledgecentre@imo.org  
(Please note that the IRDs were last updated in November/December 2007)

IMO DOCUMENTS

Notices:
1. Please note that only Resolutions, Circulars, Circular Letters, Conferences and Final Reports of the meeting sessions are listed below. For a list of IMO Documents on this subject please contact maritimeknowledgecentre@imo.org

2. The IRDs changed the contents in 2008 therefore if you wish to receive an archive copy where you can find a full list of IMO Documents on the subject, please contact maritimeknowledgecentre@imo.org  
(Please note that the IRDs were last updated in November/December 2007)
Resolutions


A. 744(18) Guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil Tankers. 1993


A.862(20) Code of practice for the safe loading and unloading of bulk carriers 1997

A.886(20) Guidance to ships' crews and terminal personnel for bulk carrier inspections 1997

MSC.49(66) Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18)

MSC.105(73) Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended)

MSC.125(75) Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended)

MSC.144(77) Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended)

MSC.145(77) Performance standards for water level detectors on bulk carriers

MSC.146(77) Application of IACS unified requirements S26, S27, and S31 to bulk carriers

MSC.197(80) Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended)

MSC.215(82) Performance standard for protective coatings for dedicated seawater ballast tanks in all types of ships and double-skin spaces of bulk carriers

MSC 261(84) Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended)

MSC 268(85) Adoption of the International Maritime Solid Bulk Cargoes (IMSBC) Code.

Circulars

BC

BC/Circ.57 Contact names and addresses of the offices of designated national competent authorities

12/12/00 responsible for the safe carriage of grain and solid cargoes
MSC
MSC/Circ.531 Instability of ships resulting from shifting or liquefaction of bulk cargo.
12/06/90

MSC/Circ.611 Questionnaire on the condition of ships carrying solid bulk cargoes.
18/06/93

MSC/Circ.628 Guidelines on the enhanced programme of surveys for bulk carriers
17/06/93

MSC/Circ.646 Recommendations for the fitting of hull stress monitoring systems for improving the safe 06/06/94 operation of ships carrying dry cargo in bulk.

MSC/Circ.655 Guidance for planning the enhanced programme of inspections during surveys of bulk carriers and oil tankers.
06/06/94

MSC/Circ.665 Duties of chief mate and officer of the watch (OOW) at loading and discharging ports.
22/12/94
Containers and cargoes : loading and unloading of bulk cargoes

MSC/Circ.666 Cargo operation form. Containers and cargoes : loading and unloading of bulk cargoes.
22/12/94

MSC/Circ.667 Safe practice on board bulk carriers.
22/12/94

MSC/Circ.686 Guidelines on the means of access to structures for inspection and maintenance of oil tanker and bulk carriers.
02/06/95

MSC/Circ.690 Ship/shore safety checklist for loading or unloading dry bulk cargo carriers.
01/06/95

MSC/Circ.742 Amendments to the Code of safe practice for solid bulk cargoes (BC Code).
14/06/96

MSC/Circ.815 List of IMO safety-related requirements and recommendations applicable to all ships and certain types of ships http://www.imo.org/Circulars/mainframe.asp?topic_id=333
13/11/1998

MSC/Circ.908 Uniform method of measurement of the density of bulk cargoes
http://www.imo.org/includes/blastData.asp/doc_id=827/908.PDF
04/06/99

MSC.Circ.921 Amendments to the Code of Safe Practice for solid Bulk Cargoes (BC Code)
http://www.imo.org/includes/blastData.asp/doc_id=842/921.PDF
04/06/99

MSC/Circ.947 & Safe loading and unloading of bulk carriers
FAL/Circ.91 http://www.imo.org/includes/blastData.asp/doc_id=844/947.pdf
01/06/00

MSC/Circ.962 Amendments to the Code of Safe Practice for solid bulk cargoes (BC Code)
01/06/00

MSC/Circ.1013 Interim application of paragraph 4.6.1.1, 4.6.2.2 and 15.7 of the survey guidelines under the harmonized system of survey and certification (Resolution A.746(18))
23/07/01
MSC/Circ.1051  Interim application of paragraphs 4.6.1.1, 4.6.2.2 and 15.7 of the survey guidelines under the harmonized system of survey and certification (Resolution A.746(18))

http://www.imo.org/includes/blastData.asp/doc_id=2294/1051.pdf

MSC/Circ.1071  Guidelines for bulk carrier hatch cover surveys and owner’s inspections and maintenance

13/06/2003


MSC/Circ.1084  Principles for hot work on board all types of ships

13/06/2003


MSC/Circ.1095  Revised minimum safety standards for ships carrying liquids in bulk containing benzene

18/06/2003


MSC/Circ.1100  Recommendation for the use of a standard format for the cargo information required by chapter 16 of the IBC Code

27/08/2003


MSC/Circ.1107  Application of Solas regulation II-1/3-6 on access to and within spaces in, and forward of, the cargo area of oil tankers and bulk carriers and application of the technical provisions for means of access for inspections

25/05/2004


MSC/Circ.1108  Guidelines for assessing the longitudinal strength of bulk carriers during loading, unloading and ballast water exchange

25/05/2004

http://www.imo.org/includes/blastData.asp/doc_id=3681/1109.pdf

MSC/Circ.1117  Guidance for checking the structure of bulk carriers

24/06/2004


MSC/Circ.1119  Ship/terminal interface improvement for bulk carriers

10/06/2004


MSC/Circ.1143  Guidelines on early assessment of hull damage and possible need for abandonment of bulk carriers

13/12/2004


MSC/Circ.1146  Lists of solid bulk cargoes for which a fixed gas fire-extinguishing system may be exempted or for which a fixed gas fire-extinguishing system is ineffective

15/12/2004


MSC/Circ.1159  Guidelines on the provision of stability-related information for bulk carriers

24/05/2005

http://www.imo.org/includes/blastData.asp/doc_id=5141/1159.pdf

MSC/Circ.1160  Manual on loading and unloading of solid bulk cargoes for terminal representatives

16/05/2005


Sub-Committee on Ship Design and Equipment

44th Session  (5 – 9 March 2001)


DE 44/19  Report to the Maritime Safety Committee. (Annex 9 – Draft amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18) as amended)
**45th Session** (18 – 22 March 2002)

DE 45/27 Report to the Maritime Safety Committee  (Section 14 – Matters related to bulk carriers; Annex 9 – Draft MSC Resolution on adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended)

**46th Session** (10 – 19 March 2003)

DE 46/32 Report to the Maritime Safety Committee.  (Section 18 – Performance standards for water ingress alarms on bulk carriers; Section 19 – Guidance on early abandonment of bulk carriers; Section 20 – Application of IACS URs S26, S27 and S31 to bulk carriers; Section 22 – Standards for hatch cover securing mechanisms on bulk carriers, Section 23 – Alternate hold loading ban for bulk carriers; Section 24 – Double side skin construction of bulk carriers; Section 25 – Application of structural standards in SOLAS Chapter XII; Section 26 – Improved loadings/stability information for bulk carriers; Annex 17 – Draft MSC Resolution on performance standards for water level detectors on bulk carriers; Annex 19 – Draft MSC Circular on guidelines on early assessment of hull damage and possible need for abandonment of bulk carriers; Annex 20 – Draft MSC Resolution on application of IACS unified requirements S26, S27 and S31 to bulk carriers; Annex 22 – Draft MSC Circular on guidelines for bulk carrier hatch cover surveys and owner’s inspections and maintenance; Annex 23 – preliminary draft amendments to SOLAS Chapter XII))

**47th Session** (25 February – 5 March 2004)

DE 47/25 Report to the Maritime Safety Committee  (Sections 14 – Alternate hold loading ban for bulk carriers; Section 15 – Double-side-skin construction of bulk carriers; Section 17 – Improved loading/stability information for bulk carriers, Annex 1 – Proposed amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended), Annex 14 – Draft MSC Resolution on performance standards for water level detectors on bulk carriers and single hold cargo ships other than bulk carriers, Annex 18 – Draft MSC Resolution on standards and criteria for side structures of bulk carriers of single-side skin construction, Annex 19 – Draft MSC Resolution on standards for owners’ inspections and maintenance of bulk carrier hatch covers, Annex 20 – Draft MSC Circular on guidelines for assessing the longitudinal strength of bulk carriers during loading, unloading and ballast water exchange, Annex 23 – Draft amendments to Solas regulation II-1/3-6 on access to and within spaces in the cargo area of oil tankers and bulk carriers)

**48th Session** (21-25 February 2005)

DE 48/25 Report to the Maritime Safety Committee

**49th Session** (20 – 24 February 2006)

standard for protective coatings for dedicated seawater ballast tanks on all new ships and double-side skin spaces of bulk carriers; Annex 16 – Draft MSC Circular on application of SOLAS regulation XII/6.3 on corrosion prevention of double-side skin spaces and dedicated seawater ballast tanks of bulk carriers and application of the performance standard for protective coatings for dedicated seawater ballast tanks on all new ships and double-side skin spaces of bulk carriers)

50th Session (5 – 9 March 2007)

DE 50/27 Report to the Maritime Safety Committee. (Section 3 – Amendments to Resolution A.744(18); Annex 1 – Draft amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil pollution (Resolution A.744(18), as amended); Annex 3 – Draft MSC resolution on performance standard for protective coatings for void spaces on bulk carriers and oil tankers

Sub-Committee on Dangerous Goods, Solid Cargoes and Containers

8th Session (22 – 26 September 2003)

DSC 8/15 Report to the Maritime Safety Committee (Section 10 – Ship/terminal interface improvement for bulk carriers; Section 11 – Alternative hold loading ban for bulk carriers; Annex 3 – Draft MSC Circular ship/terminal interface improvement for bulk carriers)

Maritime Safety Committee
Please note that listed below are sessions from the year 2000 onwards only.

72nd Session (17 – 26 May 2000)

MSC 72/23 Report of the Maritime Safety Committee on its 72nd Session (Section 4 – Bulk carrier safety; Annex 21 – Draft amendments to Annex B to Resolution A.744(18) on guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers)

73rd Session (27 November – 6 December 2000)

MSC 73/31 Report of the Maritime Safety Committee on its 73rd Session. (Section 5 – Bulk carrier safety; Annex 13 – Resolution MSC.105(73) – Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18) as amended))

74th Session (30 May – 8 June 2001)

MSC 74/24 Report of the Maritime Safety Committee on its 74th session. (Section 5 – Bulk carrier safety; Annex 17 – Draft amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18)))
**75th Session** (15 – 24 May 2002)


MSC 75/24: Report of the Maritime Safety Committee on its 75th Session (Section 5 – Bulk carrier safety; Annex 4 – Resolution MSC.125(75) – Adoption of amendments to the Guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18) as amended))

**76th Session** (2 – 13 December 2003)


MSC 76/23: Report to the Maritime Safety Committee on its 76th Session (Section 5 - Bulk carrier safety, Annex 7 – Draft MSC Resolution – Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended))

**77th Session** (28 May – 6 June 2003)


MSC 77/26: Report of the Maritime Safety Committee on its 77th Session. (Section 5 – Bulk carrier safety; Annex 4 – Resolution MSC.144(77) – Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended); Annex 5 – Resolution MSC.145(77) – Performance standards for water level detectors on bulk carriers; Annex 6 – Resolution MSC.146(77) – Application of IACS Unified Requirements S26, S27, S30 and S31 to bulk carriers)

**78th Session** (12 – 21 May 2004)


MSC 78/26: Report of the Maritime Safety Committee on its 78th Session (Section 5 – Bulk carrier safety; Annex 11 – Draft MSC Resolution on standards and criteria for side structures of bulk carriers of single-side skin construction; Annex 12 – Draft MSC Resolution on standards for owners’ inspection and maintenance of bulk carrier hatch covers; Annex 15 – Draft amendments to the International Code for the Construction and equipment of ships carrying liquefied gases in bulk (IGC Code); Annex 16 – Draft amendments to the International Code for the Construction and equipment of ships carrying dangerous chemicals in bulk (IBC Code)

**79th Session** (1 – 10 December 2004)


MSC 79/23: Report of the Maritime Safety Committee on its 79th Session (Annex 1 – Resolution MSC.168(79) – Standards and criteria for side structures of bulk carriers of single-side skin construction; Annex 2 - Resolution MSC 169(79) – Standards for owners’ inspection and maintenance of bulk carrier hatch covers; Annex 22 – Draft amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18) as amended; Annex 26 – Performance standards for water level detectors on bulk carriers and single hold cargo ships other than bulk carriers)
**80th Session** (11 – 20 May 2005)

MSC 80/24 Report of the Maritime Safety Committee on its 80th Session. (Annex 4 – Resolution MSC.197(80) – Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended)

**81st Session** (10 – 19 May 2006)


**82nd Session** (29 November 8 December 2006)

MSC 82/24 Report of the Maritime Safety Committee on its 82nd Session (Annex 1 – Resolution MSC.215(82) – Performance standard for protective coatings for dedicated seawater ballast tanks in all types of ships and double-side skin spaces of bulk carriers)

**83rd Session** (3 – 12 October 2007)

MSC 83/28 Report of the Maritime Safety Committee on its 83rd Session

**84th Session** (7 – 16 May 2008)

MSC 84/24 Report of the Maritime Safety Committee on its 84th Session (Annex 7 – resolution MSC.261(84) – Adoption of amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18), as amended); Annex 12 – Draft MSC Resolution on adoption of the International Maritime Solid Bulk Cargoes (IMSBC) Code

**85th Session** (26 November – 5 December 2008)

MSC 85/26 Report of the Maritime Safety Committee on its 85th Session (Annex 4 – Draft MSC Resolution on adoption of the International goal-based ship construction standards for bulk carriers and oil tankers; Annex 5 – Draft MSC Resolution on adoption of the guidelines for verification of conformity with goal-based ship construction standards for bulk carriers and oil tankers)
**86th Session** (27 May – 5 June 2009)


MSC 86/26 Report of the Maritime Safety Committee on its 86th Session (Annex 4 – Draft MSC Resolution on adoption of the International goal-based ship construction standards for bulk carriers and oil tankers; Annex 5 – Draft MSC Resolution on adoption of the guidelines for verification of conformity with goal-based ship construction of conformity with goal-based ship construction standards for bulk carriers and oil tankers)

**Sub-Committee on Safety of Navigation**

**49th Session** (30 June – 4 July 2003)


NAV 49/19 Report to the Maritime Safety Committee. (Section 15 – Guidance on early abandonment for bulk carriers)

**Sub-Committee on Stability and Load Lines and on Fishing Vessels Safety**

**45th Session** (22 – 26 July 2002)


SLF 45/14 Report to the Maritime Safety Committee (Section 9 – Matters related to bulk carrier safety)

**46th Session** (8 – 12 December 2003)


SLF 46/16 Report to the Maritime Safety Committee. (Section 12 – Improved loadings/stability information for bulk carriers)

**47th Session** (13-17 September 2004)


SLF 47/17 Report to the Maritime Safety Committee. (Section 12 – Improved loading/stability information for bulk carriers; Annex 10 – Draft MSC Circular on guidelines on the provisions of stability-related information for bulk carriers)

**SOLAS Conferences**

**SOLAS/CONF.4** (24 – 28 November 1997)


| SOLAS/CONF.4/5 | Consideration and adoption of resolutions and recommendations and related matters |
| SOLAS/CONF.4/13 | Idem. Note by Germany |
| SOLAS/CONF.4/15 | Idem. Interpretation of the definition of “bulk carrier” in Solas regulation IX/1.6; application of the proposed new requirements in Solas chapter XII. Note by Norway |
| SOLAS/CONF.4/14 | Idem. Proposed amendments to the Convention. Submitted by Australia |
| SOLAS/CONF.4/17 | Idem. Submitted by Cyprus |
| SOLAS/CONF.4/18 | Idem. Note by Cyprus |
| SOLAS/CONF.4/19 | Idem. Submitted by Cyprus |
| SOLAS/CONF.4/20 | Consideration and adoption of amendments to Resolution A.744(18) – Guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers. Note by Cyprus |
| SOLAS/CONF.4/21 | Consideration and adoption of resolutions and recommendations and related matters. Proposed draft Conference resolution on the interpretation of the definition of bulk carrier. Submitted by the Netherlands and Norway |
| SOLAS/CONF.4/23 | Consideration and adoption of resolutions and recommendations and related matters. Submitted by Cyprus |
| SOLAS/CONF.4/25 | Conference resolution 1 and related amendments to SOLAS; Conference resolution 2 and related amendments to resolution A.744(18); and Conference resolution 3 to 9 as adopted by the Conference. |
| SOLAS/CONF.4/25 | Conference Resolution 2 and related amendments to Resolution A.744(18) - Amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers. |
| SOLAS/CONF.4/INF.3 | Consideration and adoption of amendments to the International Convention for the Safety of Life at sea, 1974. Note by Cyprus. This document advises the Conference on the investigation into the loss of the single skin bulk carrier “Albion Two” |
SOLAS/CONF.4/INF.4  Consideration and adoption of amendments to the International Convention for the Safety of Life at sea, 1974. Note by Cyprus. This document advises the Conference on the investigation into the loss of the single skin bulk carrier “Leros Strength”

**IMO PUBLICATIONS**

**SOLAS**

- **SOLAS. Consolidated edition 2009.** (IMO-IE110E). Language(s): E


This publication contains the remaining resolutions of the 1997 SOLAS Conference, i.e. resolutions 2 to 9. They include amendments to the Guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (resolution A.744(18), as previously amended by resolution MSC.49(66)), which are mandatory under regulation XI/2 of the Convention.


Chapter XII - Additional safety measures for bulk carriers

**IMO CODES/MANUALS**


The BLU was approved by the MSC at its 68th session (June 1997) and adopted by the Assembly at its 20th session (November 1997) by resolution A.862(20). The Code, which provides guidance to masters of bulk carriers, terminal operators and other parties concerned with the safe handling, loading and unloading of solid bulk cargoes, is also linked to regulation VI/7 of the 1974 SOLAS Convention, as amended by resolution MSC.47(66).


In response to the continuing loss of ships carrying solid bulk cargoes sometimes without trace and with heavy loss of life – the Code of Safe Practice for the Safe Loading and Unloading of Bulk Carriers (BLU Code) was developed by IMO as one of a number of measures to enhance the operational and structural safety of bulk carriers. It was adopted as a recommendatory instrument by the International Maritime Organization's Assembly at its twentieth session in November 1997

IBC CODE : International Code for the construction and equipment of ships carrying dangerous chemicals in bulk 2007 edition. Language(s): E (IMO-IC100E)


**IMO GUIDELINES**


Guidelines on the enhanced programme of inspections during surveys on bulk carriers and oil tankers. 2008 Edition (IMO-IA265E)
The Guidelines became mandatory in 1996, under SOLAS regulation XI/2, which requires that bulk carriers and oil tankers be subject to an enhanced programme of inspections in accordance with the Guidelines. Since their adoption, the Guidelines have been frequently updated and brought in line with regulatory and technological developments as well as with current practice, in particular with the relevant IACS Unified Requirements.

- **1996 amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18))** (Adopted in accordance with article VII of the International Convention for the Safety of Life at Sea, 1974) : **Certified true copy** signed on March 18th, 1997. Language(s): E/F/S

- **2000 Amendments to the guidelines on the enhanced programme of inspections during survey of bulk carriers and oil tankers. (Resolution A.744(18), adopted in accordance with article VIII of the International Convention for the Safety of Life at Sea, 1974). Certified true copy ** signed on 27 March 2002. . Language(s): E/F/S/A/C/R

- **2003 Amendments to the guidelines on the enhanced programme of inspections during surveys of bulk carriers and oil tankers (Resolution A.744(18))** (adopted in accordance with article VIII of the International Convention for the Safety of Life at Sea, 1974). **Certified true copy** signed on 5 April 2005. Language(s): E/F/S/A/R

**Certified true copy is not a sales item**

**CONFERENCE PROCEEDINGS**


14


INTERNATIONAL ASSOCIATION OF DRY CARGO SHIPOWNERS (INTERCARGO)


MORTENSEN, N.B.


EUROPEAN UNION


Safe loading and unloading of bulk carriers (http://europa.eu.int/scadplus/leg/en/lvb/l24240.htm)


OTHER PUBLICATIONS


DET NORSKE VERITAS (DNV)

- Cost benefit analysis of existing bulk carriers : A case study on application of formal safety assessment techniques. Hovik : DNV, 1997 (Paper Series No. 97-P008)


HEDELIN, C. / RESARE, M. - Ore cargo loading and its effect on the strength of ships. Göteborg (Norway) : Chalmers University of Technology, 1992

INSTITUTE OF MATHEMATIC MODELLING (IMM) - Losses and major casualties 1984-92 tankers and bulkers 10,000 GT and above. Lyngby (Denmark) : IMM, 1995 (IMM-REP-1995-7)

INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES (IACS)
- Bulk carriers : Guidance and information to shipowners and operators. London : IACS, 1992


- Bulk carriers : Guidance and information on bulk cargo loading and discharging to reduce the likelihood of over-stressing the hull structure. London : IACS, 1997


- Pros and cons of double side skin construction (DSS) vs. single side skin construction (SSS) for new construction under SOLAS Chapter XII, 2002- (http://www.iacs.org.uk/fsa/wp5/doublehull.htm)

INTERNATIONAL ASSOCIATION OF DRY CARGO SHIPOWNERS (INTERCARGO) http://www.intercargo.org


- Bulk carrier casualty report: 2003, the previous ten years (1994-2003) and the trends. London, Intercargo, 2004
- Bulk carrier casualty report 2004, the previous ten years (1995-2004) and the trends. London, Intercargo, 2005
- Bulk carrier casualty report 2005, the previous ten years (1996-2005) and the trends. London, Intercargo, 2006
- Benchmarking bulk carriers through port state control data. London, Intercargo, 2006


INTERNATIONAL CHAMBER OF SHIPPING (ICS) - Ship shore safety checklist for bulk carriers. London, ICS, 2000

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)


LLOYD'S REGISTER OF SHIPPING
- Bulk carriers - The safety issues. London: Lloyd's Register of Shipping, 1991
- Bulk carriers: Guidance to operators on the inspection of cargo holds. London: Lloyd's Register of Shipping, 1991

MARITIME AND COASTGUARD AGENCY (MCA) – Bulk carriers safety studies 1998-2004. Southampton, (UK)< MCA, 2006 (Marine Information Note 228 (M))


UNITED STATES COAST GUARD (USCG) et al - Bulk carriers : Inspection guidance for terminal personnel and crew. Washington, D.C. : USCG, 1995


**DVDs/VIDEOS**

Bulk carriers serving world trade. VHS/PAL Format. London, International Association of Dry Cargo Shipowners (Intercargo)


**USEFUL ADDRESSES**
American Bureau of Shipping (ABS)
45 Eisenhower Drive
1<sup>st</sup> Floor
Paramus, NJ 07652
United States of America
Tel.: +1 201 909 5300
Website: http://www.eagle.org

International Association of Classification Societies (IACS)
6<sup>th</sup> Floor
36 Broadway
London SW1H 0BH
Tel.: +44 20 7976 0660
Fax.: +44 20 7808 1100
E-mail: permesec@iacs.org.uk
Website: http://www.iacs.org.uk

International Association of Dry Cargo Shipowners (Intercargo)
4 London Wall Buildings
Blomfield Street
London EC2M 5NT
Tel.: +44 20 7638 3989
Fax.: +44 20 7638 3943
E-mail: 100672-2311@compuserve.com
Website: http://www.aise.com/icargo.html

International Association of Independent Tanker Owners (Intertanko)
PO Box 5804 - Majorstua
0308 Oslo
Norway
Tel.: +47 22 440340
Fax.: +47 22 563222
Email: postmaster@intertanko.wwis.no
Website: http://www.intertanko.com

International Bulk Terminals Association (IBTA)
“Bramwell”
Birchwood Grove Road
Burgess Hill
West Sussex RH15 ODL
United Kingdom
Tel.: +44 1444 236 552
Fax.: +44 1444 239 572
Email: info@drybulkterminals.com
Website: http://www.drybulkterminals.com

International Chamber of Shipping (ICS)
Carthusian Court
12 Carthusian Street
London EC1M 6EB
Tel.: +44 20 7417 8844
Fax.: +44 20 7417 8877
Website: http://www.marisec.org/

The Formal Safety Assessment of Bulk Carriers
International Collaborative Bulk Carriers Study
MCA Headquarters
Spring Place, Commercial Road
Southampton SO15 1EG
United Kingdom
Tel.: +44 1962 846027
Website: http://www.fsa.mcga.gov.uk

International Salvage Union (ISU)
PO Box 32293
London W5 1WZ
United Kingdom
Tel: +44 (0)20 7345 5122
Fax: +44 (0)20 7345 5722
Email: isu@randell.fsnet.co.uk
Website: http://www.marine-salvage.com/

Lloyd's Register of Shipping
Head Office
71 Fenchurch Street
London EC3M 4BS
Tel.: +44 20 7709 9166
Fax.: +44 20 7488 4796
Website: http://www.lr.org/news

Maritime and Coastguard Agency (MCA)
Shipping Safety Branch
Bay 2/11
Spring Place
105 Commercial Road
Southampton SO15 1EG
United Kingdom

Oil Companies International Marine Forum (OCIMF)
27 Queen Anne's Gate
London SW1H 9BU
United Kingdom
Tel: +44 20 7654 1200
Fax: + 44 20 7654 1205
E-mail: ocimf@compuserve.com
Website: www.ocimf.com

Society of International Gas Tanker and Terminal Operators (SIGTTO)
17 St. Helen's Place
London EC3A 6DE
Tel.: +44 20 7628 1124
Fax.: +44 20 7628 3163
Website: http://www.sigtto.org
ARTICLES FROM THE PRESS

Notices

1. For a list of articles in the press please refer to the IMO website and SeaLibrary the online catalogue of the Maritime Knowledge Centre using the terms: “bulk carriers, safety, article”

2. The IRDs changed the contents in 2008 therefore if you wish to receive an archive copy where you can find a full list of articles (Technical and Legal) on the subject, please contact maritimeknowledgecentre@imo.org (Please note that the IRDs were last updated in November/December 2007)