

MARITIME SAFETY COMMITTEE
105th session
Agenda item 19

MSC 105/INF.11
15 February 2022
ENGLISH ONLY

Pre-session public release:

ANY OTHER BUSINESS

Best practice industry publications released in 2021/2022 and relevant to the Maritime Safety Committee

Submitted by ICS

SUMMARY

Executive summary: Informing of recent and forthcoming best practice guidance released in 2021 and 2022 from International Chamber of Shipping, including *Bridge Procedures Guide, Sixth Edition; Maritime Security: A Comprehensive Guide for Seafarers, Companies and Administrations, First Edition* and *Guide for Ship/Helicopter Operations, Fifth Edition*.

Strategic direction, if applicable: 6

Output: Not applicable

Action to be taken: Paragraph 57

Related document: FAL.6/Circ.14/Rev.1

General

1 This document is submitted in accordance with the provisions of paragraph 6.12.6 of the *Organization and method of work of the Maritime Safety Committee and the Marine Environment Protection Committee and their subsidiary bodies* (MSC-MEPC.1/Circ.5/Rev.2)

2 The International Chamber of Shipping notifies the Committee of the publication of several new and revised best practice publications that help shipping companies achieve regulatory compliance and support safe and environmentally responsible operations.

Tanker Safety Guide (Chemicals), Fifth Edition

3 The International Chamber of Shipping *Tanker Safety Guide (Chemicals), Fifth Edition* was published in January 2021.

4 The *Tanker Safety Guide (Chemicals)* is the standard reference work for chemical tankers. The Guide provides chemical tanker operators and crew with up-to-date best practice guidance for safe and pollution-free operations on ships regulated under MARPOL Annex II (Regulations for the Prevention of Pollution by Noxious Liquid Substances). This includes oil tankers operating in accordance with Annex II when they are carrying chemical cargoes.

5 New in the fifth edition:

- .1 expanded guidance on key safety issues including enclosed space entry, risk assessments and PPE;
- .2 new and improved ship/shore safety checklists, to help ship and terminal crew complete important safety checks efficiently; and
- .3 aligned with *ISGOTT: International Safety Guide for Oil Tankers and Terminals, Sixth Edition*.

6 The Guide should be carried on all chemical tankers and should be readily accessible by anyone involved in the carriage of chemicals on ships, including ship operators, cargo interests, training institutes and terminal operators.

7 The fifth edition replaced the *ICS Tanker Safety Guide (Chemicals), Fourth Edition (2014)*, which has now been withdrawn.

8 The Guide is referenced in FAL.6/Circ.14/Rev.1.

Maritime Security: A Comprehensive Guide for Seafarers, Companies and Administrations, First Edition

9 The International Chamber of Shipping *Maritime Security: A Comprehensive Guide for Seafarers, Companies and Administrations, First Edition* was published in April 2021.

10 Maritime security is a principal concern for the shipping industry and security threats present severe challenges to the entire global supply chain. In the years since SOLAS and the ISPS Code set out a dedicated statutory framework for the issue, a new security culture has emerged in the industry, leading to increased understanding of the subject and the development of best practices to mitigate specific threats. However, these threats continually evolve and constant vigilance is required.

11 This book provides a comprehensive guide to maritime security. It sets out the security threats faced by the shipping industry today, the statutory requirements that ships, shipping companies and port facilities must meet, and provides guidance on how to conduct thorough threat and risk assessments for a voyage. A model ship security plan is also provided along with guidance on how to complete it in accordance with statutory requirements.

12 It is particularly useful to ship and terminal operators, seafarers and administrations, but provides a useful entry point to the subject for anyone with an interest in maintaining the security of global trade.

13 This first edition title replaced two previous ICS publications which have now been withdrawn: *Maritime Security: Guidance for Ship Operators on the International Maritime Organization (IMO) International Ship and Port Facility Security (ISPS) Code (2003)* and *Model Ship Security Plan (2003)*.

Drug Trafficking and Drug Abuse on Board Ship: Guidelines for Owners and Masters on Preparation, Prevention, Protection and Response, Sixth Edition

14 The International Chamber of Shipping and Witherbys joint publication *Drug Trafficking and Drug Abuse On Board Ship: Guidelines for Owners and Masters on Preparation, Prevention, Protection and Response, Sixth Edition* was published in April 2021.

15 This publication provides guidance on how to combat drug trafficking at sea and to recognize the signs of drug use and dependence among crew members.

16 Considered the leading industry publication on the topic, this sixth edition has been fully updated by industry experts to assist shipping companies, Masters and officers, to help prepare, prevent, protect and know how to respond when faced with drug trafficking and drug abuse at sea.

17 Drug trafficking is undertaken by sea because of the opportunities presented for high volume movements from producing to consuming countries. Commercial shipping, unfortunately, can unwittingly play a significant part in the transportation of illicit drugs to the places where they are consumed. The shipping industry therefore shares a collective responsibility to assist in combatting this illegal traffic. This requires shipping companies, and ships' crews, to be constantly aware of the possibility that ships, and the cargo they carry, may be used as a cover for drug smuggling.

18 Drug abuse also presents a serious threat to ships' crews, compounded by the direct connection between intravenous drug use and its associated health risks. It also exposes crews to the wider consequences of being associated with serious criminal activity, a particular danger in those parts of the world where the strict rule of law cannot be taken for granted or where the death penalty for drug trafficking still applies.

19 The guidance contained in this publication demonstrates how to protect the ship and the crew and reduce the risk of drug trafficking occurring on board.

20 The sixth edition replaced the *Drug Trafficking and Drug Abuse on Board Ship, Fifth Edition* (2019), which has now been withdrawn.

Guide to Helicopter/Ship Operations, Fifth Edition

21 The International Chamber of Shipping *Guide to Helicopter/Ship Operations, Fifth Edition* was published in May 2021.

22 The *Guide to Helicopter/Ship Operations* is the industry standard best practice guide for shipping companies, ships' crew and helicopter operators. Written for both those in the air and those at sea, this important interface document helps all those involved in helicopter/ship operations become familiar with the important technical aspects of these complex operations.

23 The fifth edition provides the latest guidance on standardised procedures and facilities for helicopter/ship operations worldwide, and encourages safe and efficient performance in the field. The Guide has been fully updated to reflect the most up-to-date advice from industry experts in both the maritime and aviation sectors.

24 For ships to which the International Safety Management (ISM) Code applies, this Guide may also help in developing shipboard operating procedures and requirements for the various helicopter operations that may be undertaken on board.

- 25 New in the fifth edition:
- .1 updated guidance on transferring marine pilots directly to the bridge wing by winch, including associated risk assessments;
 - .2 a detailed list of abbreviations and definitions from the maritime and aviation industry;
 - .3 expanded information on the requirements specific to different ship types; and
 - .4 revised layout and checklists to better reflect human factors.
- 26 The Guide should be carried on board every ship and should be accessible to ships' Masters, officers and crew, helicopter pilots and operators.
- 27 The fifth edition replaced the *Guide to Helicopter/Ship Operations, Fourth Edition* (2008), which has now been withdrawn.
- 28 The publication is referenced in FAL.6/Circ.14/Rev.1.

Training Record Book for Ships' Cooks, First Edition

- 29 The International Chamber of Shipping *Training Record Book for Ships' Cooks* was published in May 2021.
- 30 The Record Book is based on the International Labour Organization (ILO) *Guidelines on the training of ships' cooks*, which implements the Maritime Labour Convention, 2006 (MLC) Regulation 3.2.
- 31 Covering both practical and safety skills, the Record Book can be used by an individual to demonstrate that they have followed a structured training programme and understand the core competencies required to safely prepare nutritious and appropriate food during a voyage.
- 32 It is designed to be used by those training as ships' cooks as well as those whose duties are to assist in the galley area, either to cover for the ship's cook when they are on a rest day or to work on a ship which, by virtue of the size of the crew or the trading pattern, may not be required by the competent authority to carry a fully qualified cook.

Cyber Security Workbook for On Board Ship Use, Third Edition

- 33 The BIMCO, International Chamber of Shipping and Witherbys joint publication *Cyber Security Workbook for On Board Ship Use, Third Edition* was published in October 2021.
- 34 Internet connectivity on board has become common and ship's systems are increasingly digitised and integrated. With this growing level of connection, comes greater risk. Ships are now a common target for hackers worldwide and it has become crucial that the entire crew has an understanding of how and when cyber attacks can occur.
- 35 Using detailed, step by step checklists, *Cyber Security Workbook for On Board Ship Use* provides a ship's crew with the practical skills to identify cyber risks and to protect vulnerable on board systems. It also gives guidance on how best to detect, respond and recover in the event of a cyber attack.

36 The third edition replaced the *Cyber Security Workbook for On Board Ship Use, Second Edition (2020)*, which has now been withdrawn.

Seafarer Workforce Report, 2021 Edition

37 The BIMCO and International Chamber of Shipping joint publication *Seafarer Workforce Report 2021* was published in July 2021.

38 Prepared by BIMCO and ICS, this comprehensive report details the global seafarer workforce supply and demand situation. With contributions from national maritime administrations, shipping companies, maritime education and training institutions and industry experts, this report is an essential tool for those tasked with developing crewing and training strategies.

39 The 2021 edition contains:

- .1 detailed estimates of the current supply and demand for seafarers for the world fleet, including country-specific figures;
- .2 details of the demographic composition of the supply of seafarers;
- .3 forward projections for the likely supply and demand situations over the next five years; and
- .4 identification of various maritime training, recruitment and retention trends and their potential consequences.

40 The 2021 edition replaced the ICS/BIMCO *Manpower Report, 2015* edition, which has now been withdrawn.

Bridge Procedures Guide, Sixth Edition

41 The International Chamber of Shipping *Bridge Procedures Guide, Sixth Edition* was published in January 2022.

42 For over 40 years, the *Bridge Procedures Guide* has reflected and defined current best practice on the bridges of merchant ships operating in all sectors and trades. Now in its sixth edition, it is widely acknowledged as the leading industry guidance on safe bridge procedures.

43 Regularly used by masters, watchkeeping officers, shipping companies, training institutions and accident investigators worldwide, the Guide continues to be an essential tool for those in charge of a navigational watch.

44 Thoroughly revised and updated, the new edition provides clear guidance on best practice approaches to watchkeeping that make safe and effective use of modern technology, and embrace internationally agreed standards and recommendations adopted by the IMO.

45 New in the sixth edition:

- .1 increased guidance on non-navigational procedures;
- .2 new sections on the human element, Electronic Chart Display and Information System (ECDIS) safety settings, category zone of confidence (CATZOC), weather routing, communications with the engine control room, cargo operations, risk assessments and permits to work, ship stability, ballast water management, errors associated with Global Navigation Satellite System (GNSS), and characteristics of radar;

- .3 more visual aids to improve understanding and support on board training; and
- .4 simplified language to reflect current best practice in writing guidelines and checklists.

46 It is strongly recommended that a copy of the sixth edition is carried on board every ship, and that copies are held within shipping company technical departments.

47 The sixth edition replaced the *Bridge Procedures Guide, Fifth Edition* (2016), which has now been withdrawn.

48 The publication is referenced in FAL.6/Circ.14/Rev.1.

On Board Training Record Book for Electro-Technical Officers (ETO Cadets), First Edition

49 The International Chamber of Shipping *On Board Training Record Book for Electro-Technical Officers (ETO Cadets)* will be published in April 2022.

50 The *On Board Training Record Book for Electro-Technical Officers (ETO Cadets)* helps shipowners and managers ensure compliance with international regulations and helps ETO cadets understand the training required to develop their skills and competencies. It can also be used by training academies, administrations and insurers as a universal and standard approach to tracking ETO cadet training and career development.

51 Taking into account the competences for ETOs established in the IMO STCW Convention, specifically those in section A-III/6 of the STCW Code, the training tasks included have been developed to ensure that cadets make the best use of their seagoing service by highlighting their strengths and identifying areas for further training.

52 The Record Book can be used by trainees to provide documentary evidence to government appointed assessors of having completed a structured training programme in accordance with STCW 2010, helps supervising officers make an objective evaluation of whether cadets are competent, and provides employers with the confidence that cadets are developing the correct knowledge needed to be successful in the role.

53 The IMO STCW Convention requires that a cadet's seagoing service must be properly structured and recorded in a training record book approved by the maritime administration responsible for issuing certificates of competence and specifically refers to the ISF (now ICS) On Board Training Record Books as an example of such documentation.

Forthcoming in 2022

54 The International Chamber of Shipping will also release the following titles in 2022 and will share more details at future MSC sessions and relevant IMO committees:

- .1 International Medical Guide for Seafarers and Fishers;
- .2 Diversity and Inclusion Toolkit;
- .3 Shipping and the Environment; and
- .4 Greenhouse Gas Guide.

Availability

55 The publications are available for sale through the ICS site: <https://publications.ics-shipping.org/>

56 Delegates can register to receive regular updates on ICS publications, news and events at <https://www.ics-shipping.org/sign-up/>

Action requested of the Committee

57 The Committee is invited to note the information provided.
