

ANNEX 40

TERMS OF REFERENCE OF THE RESTRUCTURED SUB-COMMITTEES

Sub-Committee on Carriage of Cargoes and Containers (CCC)

1 Under the direct instructions of the Maritime Safety Committee and the Marine Environment Protection Committee, the Sub-Committee on Carriage of Cargoes and Containers (CCC) will consider technical and operational matters related to the following subjects, including the development of any necessary amendments to relevant conventions and other mandatory and non-mandatory instruments, as well as the preparation of new mandatory and non-mandatory instruments, guidelines and recommendations, for consideration by the Committees, as appropriate:

- .1 effective implementation of the relevant conventions, codes and other instruments, mandatory or recommendatory, as appropriate, dealing with cargo operations, which include packaged dangerous goods, solid bulk cargoes, bulk gas cargoes, and containers;
- .2 evaluation of safety and pollution hazards of packaged dangerous goods, solid bulk cargoes and gas cargoes;
- .3 survey and certification of ships carrying hazardous cargoes;
- .4 further enhancement of the safety and security culture, and environmental consciousness in all cargo and container operations; and
- .5 cooperation with other relevant UN bodies, IGOs and NGOs on international standards related to containers and to cargo operations.

2 The conventions and other mandatory instruments (as may be amended from time to time) referred to above include, but are not limited to:

- .1 1974 SOLAS Convention (chapters VI and VII and other relevant parts, as appropriate);
- .2 MARPOL (Annexes III and V, as appropriate);
- .3 International Convention for Safe Containers (CSC), 1972;
- .4 International Maritime Dangerous Goods (IMDG) Code and related supplements;
- .5 International Maritime Solid Bulk Cargoes (IMSBC) Code and related supplements;
- .6 International Code for the Construction and Equipment of Ships carrying Liquefied Gases in Bulk (IGC Code);
- .7 International Code for the Safe Carriage of Packaged Irradiated Nuclear Fuel, Plutonium and High-Level Radioactive Wastes on board Ships (INF Code);

- .8 International Code for the Safe Carriage of Grain in Bulk; and
- .9 Code of Safe Practice for Cargo Stowage and Securing (CSS Code).

3 The non-mandatory instruments, referred to in paragraph 1, which the Sub-Committee may be called upon to review, include, but are not limited to:

- .1 Code of Safe Practice for Solid Bulk Cargoes (BC Code);
- .2 Code for the Construction and Equipment of Ships carrying Liquefied Gases in Bulk (GC Code);
- .3 Code of Safe Practice for Ships Carrying Timber Deck Cargoes;
- .4 Code Safe Practice for the Safe Loading and Unloading of Bulk Carriers (BLU Code);
- .5 Recommendations on the Safe Transport of Dangerous Cargoes and related Activities in Port Areas;
- .6 *Guidelines for the Preparation of the Cargo Securing Manual;*
- .7 Emergency Response Procedures for Ships Carrying Dangerous Goods (EmS Guide);
- .8 Medical First Aid Guide for Use in Accidents Involving Dangerous Goods (MFAG);
- .9 Reporting procedures, including inspection programmes for cargo transport units carrying dangerous goods; reporting of incidents involving harmful substances and/or marine pollutants; reporting of casualties involving dangerous cargoes;
- .10 *IMO/ILO/UNECE Guidelines for Packing of Cargo Transport Units;*
- .11 Recommendations on the Safe Use of Pesticides in Ships; and
- .12 any recommendations and guidelines relevant to the carriage of bulk cargoes.

4 Any other relevant technical and operational issues referred to it by the Committees or other technical bodies of the Organization.

Sub-Committee on Human Element, Training and Watchkeeping (HTW)

1 Under the direct instructions of the Maritime Safety Committee and as may be requested by the Marine Environment Protection Committee, the Sub-Committee on Human Element, Training and Watchkeeping (HTW) will consider technical and operational matters related to the following subjects, including the development of any necessary amendments to relevant conventions and other mandatory and non-mandatory instruments, as well as the preparation of new mandatory and non-mandatory instruments, guidelines and recommendations, taking into account the role of such measures in the protection of the marine environment, for consideration by the Committees, as appropriate:

- .1 minimum international standards for training and certification of seafarers;
- .2 principles of safe watchkeeping;
- .3 minimum international standards for training and certification of fishing vessel personnel;
- .4 maritime safety, security and environmental protection culture in all ship operations;
- .5 review of the principles of safe manning of ships and training issues related to the human element taking into account technological, organizational and social developments;
- .6 promotion of awareness of lessons learnt from the analysis of accident and incident reports and information;
- .7 review, updating and revision of IMO model courses;
- .8 promotion and implementation of the Organization's human element strategy, including the chain(s) of responsibility in maritime safety, security and environmental protection;
- .9 coordination with relevant United Nations bodies, IGOs and NGOs on international standards related to the training and certification of seafarers; and
- .10 revision/development of relevant guidelines relating to training of seafarers issues, such as maritime safety, security and protection of the marine environment.

2 The conventions and other mandatory instruments (as may be amended from time to time) referred to above include, but are not limited to:

- .1 1978 STCW Convention, including STCW Code;
- .2 1995 STCW-F Convention;
- .3 1974 SOLAS Convention and the 1978 and 1988 Protocols relating thereto, and associated Codes, as appropriate;
- .4 MARPOL annexes, as appropriate;

- .5 2012 Cape Town Agreement, as appropriate;
- .6 1966 Load Lines Convention and the 1988 Protocol relating thereto; and
- .7 1969 Tonnage Measurement Convention.

3 The non-mandatory instruments referred to in paragraph 1, which the Sub-Committee may be called upon to review, include, but are not limited to:

- .1 Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU Code); and
- .2 Principles of safe manning.

4 Any other relevant technical and operational issues referred to it by the Committees or other technical bodies of the Organization.

Sub-Committee on Implementation of IMO Instruments (III)

1 Under the direct instructions of the Maritime Safety Committee and the Marine Environment Protection Committee, the Sub-Committee on Implementation of IMO Instruments (III), in addressing the effective and consistent global implementation and enforcement of IMO instruments concerning maritime safety and security and the protection of the marine environment, will consider technical and operational matters related to the following subjects, including the development of any necessary amendments to relevant conventions and other mandatory and non-mandatory instruments, as well as the preparation of new mandatory and non-mandatory instruments, guidelines and recommendations, for consideration by the Committees, as appropriate:

- .1 comprehensive review of the rights and obligations of States emanating from the IMO treaty instruments;
- .2 assessment, monitoring and review of the current level of implementation of IMO instruments by States in their capacity as flag, port and coastal States and countries training and certifying officers and crews, with a view to identifying areas where States may have difficulties in fully implementing them;
- .3 identification of the reasons for the difficulties in implementing provisions of relevant IMO instruments, taking into account any relevant information collected through, inter alia, the assessment of performance, the investigation of marine casualties and incidents and the port State control (PSC) data, while paying particular attention to the perceived difficulties faced by developing countries;
- .4 consideration of proposals to assist States in implementing and complying with IMO instruments by the development of appropriate mandatory and non-mandatory instruments, guidelines and recommendations for the consideration by the Committees, as appropriate;
- .5 analyses of investigations reports into marine casualties and incidents and maintaining an efficient and comprehensive knowledge-based mechanism to support the identification of trends and the IMO rule-making process;
- .6 review of IMO standards on maritime safety and security and the protection of the marine environment, to maintain an updated and harmonized guidance on survey and certification related requirements; and
- .7 promotion of global harmonization of PSC activities.

2 The conventions and other mandatory instruments (as may be amended from time to time) referred to above include, but are not limited to:

- .1 1974 SOLAS Convention (chapters I, IX, XI-1 and appendix and other relevant chapters, as appropriate) and the 1978 and 1988 Protocols relating thereto;
- .2 MARPOL, BWM and AFS Conventions and other related environmental instruments, as appropriate;

- .3 International Safety Management (ISM) Code;
- .4 Code for recognized organizations (RO Code);
- .5 IMO Instruments Implementation Code (III Code); and
- .6 Casualty Investigation Code, 2008.

3 The non-mandatory instruments referred to in paragraph 1, which the Sub-Committee may be called upon to review, include, but are not limited to:

- .1 HSSC Guidelines;
- .2 Procedures for Port State Control; and
- .3 fair treatment of seafarers, non-convention ship-related matter, etc.

4 Any other relevant technical and operational issues referred to it by the Committees or other technical bodies of the Organization.

Sub-Committee on Navigation, Communications and Search and Rescue (NCSR)

1 Under the direct instructions of the Maritime Safety Committee and as may be requested by the Marine Environment Protection Committee, the Sub-Committee on Navigation, Communications and Search and Rescue (NCSR) will consider technical and operational matters related to the following subjects, including the development of any necessary amendments to relevant conventions and other mandatory and non-mandatory instruments, as well as the preparation of new mandatory and non-mandatory instruments, guidelines and recommendations, for consideration by the Committees, as appropriate:

- .1 obligations of Governments and operational measures related to safety of navigation, including hydrographic and meteorological services, ships' routing, ship reporting systems, aids to navigation, radio-navigation systems, vessel traffic services, and pilotage, including the role of such measures in the protection of the marine environment;
- .2 operational requirements and guidelines relating to navigational safety and associated issues, such as regulations for the prevention of collisions and groundings, bridge procedures, voyage planning, avoidance of dangerous situations, places of refuge including maritime assistance services and relevant aspects of maritime security;
- .3 carriage requirements, performance standards and operational guidelines for the use of shipborne navigational equipment and other navigational requirements, including bridge design, bridge visibility and pilot transfer arrangements;
- .4 obligations of Governments and operational measures related to the Global Maritime Distress and Safety System (GMDSS), in particular matters relating to GMDSS Master Plan;
- .5 obligations of Governments and operational measures related to development and maintenance of the Global SAR Plan;
- .6 obligations of Governments and operational measures related to LRIT;
- .7 operational requirements and guidelines relating to radiocommunications and search and rescue, such as operational safety measures related to maritime mobile radiocommunications and security, including LRIT, operational and technical coordination provisions of maritime safety information (MSI) services, in cooperation with ICAO harmonization of aeronautical and maritime search and rescue procedures, including SAR training matters, and procedures for routing distress information in the GMDSS;
- .8 carriage requirements, performance standards and operational guidelines for the use of shipborne radiocommunications and search and rescue equipment; and
- .9 ITU maritime mobile radiocommunication matters and liaison with ITU technical bodies on the issues.

2 The conventions and other mandatory instruments (as may be amended from time to time) referred to above include, but are not limited to:

- .1 1974 SOLAS Convention (chapters III, IV and V and other relevant chapters, as appropriate) and the 1978 and 1988 Protocols relating thereto;
- .2 MARPOL annexes, as appropriate;
- .3 International Regulations for Preventing Collisions at Sea (COLREG), 1972;
- .4 International Code of Signals;
- .5 International Codes of Safety for High-Speed Craft (HSC Code), 1994 and 2000; and
- .6 International Convention on Maritime Search and Rescue (SAR), 1979.

3 The non-mandatory instruments, referred to in paragraph 1, which the Sub-Committee may be called upon to review, include, but are not limited to:

- .1 Recommendations on performance standards for various shipborne navigational radiocommunications and search and rescue equipment;
- .2 General provisions on ships' routing;
- .3 *Guidelines and criteria for ship reporting systems;*
- .4 General Principles for Ship Reporting Systems and Ship Reporting Requirements, including Guidelines for Reporting Incidents Involving Dangerous Goods, Harmful Substances and/or Marine Pollutants
- .5 *Guidelines for vessel traffic services;*
- .6 *Guidelines for the onboard operational use of shipborne automatic identification systems;*
- .7 IMO standard marine communication phrases;
- .8 Operational and technical coordination provisions of maritime safety information (MSI) services, including related documents;
- .9 *Guidelines on radiocommunication procedures;*
- .10 Criteria for the provision of mobile satellite communication systems in the Global Maritime Distress and Safety System (GMDSS);
- .11 *Guidelines to facilitate efficient and effective search and rescue operations;*
- .12 International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual; and
- .13 *Revised Guidelines for the Identification and Designation of Particularly Sensitive Sea Areas (resolution A.982(24)).*

4 Any other relevant technical and operational issues referred to it by the Committees or other technical bodies of the Organization.

Sub-Committee on Pollution Prevention and Response (PPR)

1 Under the direct instructions of the Marine Environment Protection Committee, and as may be requested by the Maritime Safety Committee, the Sub-Committee will consider technical and operational matters related to the following subjects, including the development of any necessary amendments to relevant conventions and other mandatory and non-mandatory instruments, as well as the preparation of new mandatory and non-mandatory instruments, guidelines and recommendations, for consideration by the Committees, as appropriate:

- .1 prevention and control of pollution of the marine environment from ships and other related maritime operations;
- .2 safe and environmentally sound recycling of ships;
- .3 evaluation of safety and pollution hazards of liquid substances in bulk transported by ships;
- .4 control and management of harmful aquatic organisms in ships' ballast water and sediments, and biofouling; and
- .5 pollution preparedness, response and cooperation for oil and hazardous and noxious substances.

2 The conventions and other mandatory instruments (as may be amended from time to time) referred to above include, but are not limited to:

- .1 1974 SOLAS Convention (chapter VII, parts B and C) and the 1978 and 1988 Protocols relating thereto;
- .2 MARPOL annexes, as appropriate;
- .3 BWM Convention, 2004;
- .4 Hong Kong Ship Recycling Convention, 2009;
- .5 AFS Convention, 2001;
- .6 OPRC Convention, 1990;
- .7 HNS Protocol, 2000;
- .8 International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code);
- .9 Technical Code on Control of Emission of Nitrogen Oxides from Marine Diesel Engines (NO_x Technical Code 2008); and
- .10 Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (BCH Code).

3 The non-mandatory instruments, referred to in paragraph 1, which the Sub-Committee may be called upon to review, include, but are not limited to:

- .1 any recommendations and guidelines relevant to the pollution prevention from ships such as; and
 - .1 *Guidelines for the development of shipboard marine pollution emergency plans for oil and/or noxious liquid substances;*
 - .2 *Revised Guidelines for the transport of vegetable oils in deep tanks or in independent tanks specially designed for the carriage of such vegetable oils in general dry cargo ships;*
 - .3 *2012 Guidelines on implementation of effluent standards and performance tests for sewage treatment plants;*
 - .4 *2012 Guidelines for the development of a regional reception facilities plan;*
 - .5 *2012 Guidelines for the implementation of MARPOL Annex V;*
 - .6 *2012 Guidelines on the method of calculation of the attained energy efficiency design index (EEDI) for new ships;*
 - .7 *Guidelines for ballast water management and development of ballast water management plans (G4);*
 - .8 *2011 Guidelines for the control and management of ships' biofouling to minimize the transfer of invasive aquatic species;*
 - .9 *2011 Guidelines for the development of the ship recycling plan;*
and
 - .10 *Revised Guidelines for the identification and designation of Particularly Sensitive Sea Areas;* and
- .2 any recommendations, guidelines or training materials related to oil and HNS pollution preparedness and response, such as:
 - .1 *IMO/UNEP Guidelines on Oil Spill Dispersant Application including Environmental Considerations;*
 - .2 *Guidelines for oil spill response – offshore in situ burning;* and
 - .3 *Manual on Chemical Pollution, to address legal and administrative aspects of HNS incidents.*

4 Any other relevant technical and operational issues referred to it by the Committees or other technical bodies of the Organization.

Sub-Committee on Ship Design and Construction (SDC)

1 Under the direct instructions of the Maritime Safety Committee and as may be requested by the Marine Environment Protection Committee, the Sub-Committee on Ship Design and Construction (SDC) will consider technical and operational matters related to the following subjects, including the development of any necessary amendments to relevant conventions and other mandatory and non-mandatory instruments, as well as the preparation of new mandatory and non-mandatory instruments, guidelines and recommendations, for consideration by the Committees, as appropriate:

- .1 design, construction, subdivision and stability, buoyancy, sea-keeping and arrangements, including evacuation matters, of all types of ships, vessels, craft and mobile units covered by IMO instruments;
- .2 testing and approval of construction and materials;
- .3 load line matters;
- .4 tonnage measurement matters;
- .5 safety of fishing vessels and fishermen; and
- .6 survey and certification.

2 The conventions and other mandatory instruments (as may be amended from time to time) referred to above include, but are not limited to:

- .1 1974 SOLAS Convention (chapters II-1, II-2, VIII, X, XI-1 and XII and other relevant chapters, as appropriate) and the 1978 and 1988 Protocols relating thereto;
- .2 MARPOL annexes, as appropriate;
- .3 1966 Load Line Convention and the 1988 Protocol relating thereto;
- .4 1969 Tonnage Measurement Convention;
- .5 2012 Cape Town Agreement;
- .6 International Codes of Safety for High-Speed Craft (HSC Code), 1994 and 2000;
- .7 International Code for Application of Fire Test Procedures (FTP Code), for tests related to ship construction and materials;
- .8 International Code on Intact Stability, 2008;
- .9 International Code on the Enhanced Programme of Inspections during Surveys of Bulk Carriers and Oil Tankers, 2011 (2011 ESP Code);
- .10 coating performance standards;
- .11 Code on Noise Levels on Board Ships; and
- .12 Condition Assessment Scheme (CAS).

3 The non-mandatory instruments, referred to in paragraph 1, which the Sub-Committee may be called upon to review, include, but are not limited to:

- .1 Code of Safety for Dynamically Supported Craft (DSC Code);
- .2 Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU Code);
- .3 Code of Safe Practice for the Carriage of Cargoes and Persons by Offshore Supply Vessels (OSV Code);
- .4 Code of Safety for Special Purpose Ships (SPS Code);
- .5 Code on Noise Levels on Board Ships;
- .6 *Interim Guidelines for Wing-in-Ground (WIG) craft*;
- .7 Standards for Ship Manoeuvrability;
- .8 *Guidelines for the Design, Construction and Operation of Passenger Submersible Craft*;
- .9 *Guidelines for Ships operating in Polar Waters*;
- .10 Code of Safety for Fishermen and Fishing Vessels, 2005 (parts A and B);
- .11 *FAO/ILO/IMO Voluntary Guidelines for the design, construction and equipment of small fishing vessels, 2005*; and
- .12 recommendations and guidelines relevant to ship design, construction, materials, arrangements, stability, load lines and fishing vessels safety.

4 Any other relevant technical and operational issues referred to it by the Committees or other technical bodies of the Organization.

Sub-Committee on Ship Systems and Equipment (SSE)

1 Under the direct instructions of the Maritime Safety Committee and as may be requested by the Marine Environment Protection Committee, the Sub-Committee on Ship Systems and Equipment (SSE) will consider technical and operational matters related to the following subjects, including the development of any necessary amendments to relevant conventions and other mandatory and non-mandatory instruments, as well as the preparation of new mandatory and non-mandatory instruments, guidelines and recommendations, for consideration by the Committees, as appropriate:

- .1 systems and equipment, including machinery and electrical installations, of all types of ships, vessels, craft and mobile units covered by IMO instruments;
- .2 testing and approval of systems and equipment;
- .3 life-saving equipment, appliances and arrangements; and
- .4 analyses of casualty and incident records relating to ship systems and equipment.

2 The conventions and other mandatory instruments (as may be amended from time to time) referred to above include, but are not limited to:

- .1 1974 SOLAS Convention (chapters II-1, II-2, III and other relevant chapters, as appropriate) and the 1978 and 1988 Protocols relating thereto, as appropriate;
- .2 International Code for Application of Fire Test Procedures (FTP Code), for testing related to systems and equipment;
- .3 International Code for Fire Safety Systems (FSS Code), and
- .4 International Life-Saving Appliances (LSA) Code.

3 The non-mandatory instruments, referred to in paragraph 1, which the Sub-Committee may be called upon to review, include, but are not limited to:

- .1 Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU Code), for systems and equipment issues;
- .2 Code of Safety for Diving Systems;
- .3 Code on Alerts and Indicators; and
- .4 any recommendations and guidelines relevant to ship systems and equipment.

4 Any other relevant technical and operational issues referred to it by the Committees or other technical bodies of the Organization.
