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LONG-TERM WORK PLAN

Note by the Secretary-General

SUMMARY

- Executive summary:** This document contains the Maritime Safety Committee's proposals for its long-term work plan and information by the MSC on the subjects on which work has been completed or is still under way.
- Action to be taken:** Paragraph 4
- Related documents:** C 90/21; C 90/21/Add.1; MSC 77/23/6 and MSC 77/INF.3

1 As envisaged in document C 90/21, the Maritime Safety Committee reviewed its long-term work plan at its seventy-seventh session which was held from 28 May to 6 June 2003. The outcome of this review is reported in annex 1.

2 The Council will recall that a proposal was made during the twenty-first session of the Assembly to include, in the document on the long-term work plan, information on the subjects on which work has been completed or is still under way, in order to ascertain the Organization's performance against any previously approved plan. Therefore, information on the progress made by the Maritime Safety Committee on subjects established in the long-term work plan (up to 2008) referred to in resolution A.907(22) is attached in annex 2.

3 The Maritime Safety Committee expects to make further progress before the next session of the Assembly on the items listed in its long-term work plan. This information will be reported to the twenty-second extraordinary session of the Council for submission to the twenty-third session of the Assembly.

Action requested of the Council

- 4 The Council is invited to take note of:
- .1 the proposed long-term work plan in respect of the Maritime Safety Committee, in its consideration of the long-term work plan of the Organization (paragraph 1 and annex 1); and
 - .2 the additional information provided by the Maritime Safety Committee, pursuant to the request of the Assembly at its twenty-first session, on work which has been completed or is still under way (paragraph 2 and annex 2).

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ANNEX 1

**LONG-TERM WORK PLAN OF THE MARITIME SAFETY COMMITTEE
FOR THE PERIOD UP TO 2010**

The items listed below which are marked with an asterisk are considered to be high priority items. Work on the remaining items will be initiated only after proposals substantiating their importance and urgency have been submitted and endorsed by the Committee or a compelling need to do so has been clearly established and the Committee has agreed that urgent action should be taken on them.

I OBJECTIVES

1 Pursuant to the provisions of Articles 1 and 28 of the Convention on the International Maritime Organization, **to encourage** the general adoption of the highest practicable standards in respect of matters concerning maritime safety and efficiency of navigation, including any matter within the scope of the Organization relating to the design, construction and equipment of ships (and other marine vehicles), training and qualification of seafarers and fishing vessel personnel, manning of ships from a safety standpoint, rules for the prevention of collisions, search and rescue, aids to navigation, maritime safety procedures and requirements, hydrographic information, handling of dangerous cargoes, log-books and navigational records, marine casualty investigations, salvage and any other matter directly affecting maritime safety (e.g. fire safety, maritime communications and the safe transport of cargoes generally), and with due regard to the contents of resolutions A.500(XII), A.777(18) and A.900(21). Maritime security tasks were also assigned to the Committee following decisions of A 22 and the 2002 SOLAS Conference on Maritime Security.

2 **To provide** the necessary machinery for performing any duties assigned to it and to maintain such close relationship with other bodies as may further the purposes of the Organization.

II GENERAL SUBJECTS

- * 1 Implementation, enforcement, monitoring, technical interpretation and improvement of conventions, codes, recommendations and guidelines.
- * 2 Role of the human element in the prevention of maritime casualties and accidents.
- * 3 Promotion and maintenance of a safety culture and security consciousness.
- * 4 Shipboard and shore-based management for the safe and secure operation of ships.
- * 5 Formal safety assessment.
- 6 Procedures for the control of ships, including deficiency reports.
- * 7 Casualty statistics and investigations into serious casualties.
- 8 Harmonization of survey and certification requirements.

- * 9 Prevention/suppression of acts of piracy and armed robbery against ships; and other unlawful acts which may threaten the safety of navigation.
- * 10 Measures to enhance maritime security.
- * 11 Safety measures and procedures for the treatment of persons rescued at sea.
- * 12 Co-operation with the United Nations and other international bodies on matters of mutual interest.
- 13 Technical input in technical co-operation projects.
- * 14 Goal-based new ship construction standards.
- * 15 Large passenger ship safety.

III SPECIFIC SUBJECTS

Items related to ship design, construction, machinery, electrical installations and equipment

- 1 Safety aspects of the design, construction, machinery, electrical installations, equipment and operation of specific types of ships, including fishing vessels.
- 2 Intact and damage stability, subdivision and load lines of ships.
- 3 Manoeuvrability of ships.
- 4 Matters pertaining to fire protection, detection and extinction, fire-test procedures and other matters related to fire safety on board ships.
- 5 Safe evacuation, survival and recovery following maritime casualties or in case of distress.
- 6 Tonnage measurement of ships.

Items related to navigation and radiocommunications

- 7 Measures to improve navigational safety, including ships' routing, ship reporting systems, vessel traffic services, requirements and standards for navigational aids and shipborne navigational systems and requirements.
- 8 Monitoring the operation of the global maritime distress and safety system and dealing with other maritime radiocommunication matters (including maritime safety information, shipborne radio equipment and operational procedures) and the worldwide provision of maritime search and rescue services.

Items related to training, certification and watchkeeping

- 9 Training, watchkeeping and operational procedures for maritime personnel, including seafarers, fishing vessel personnel, maritime pilots, VTS operators, those responsible for maritime safety and security on board ships, mobile offshore units and shore-based port personnel.
- 10 Seafarers' certificates of competency.

Items related to cargo handling

- 11 Safe handling and carriage by sea of solid and liquid bulk cargoes.
- 12 Safe handling and carriage of dangerous goods in packaged form, including portable tanks, unit loads, other cargo transport units, shipborne barges and intermediate bulk containers (IBCs).
- 13 Emergency procedures and safety measures for ships carrying dangerous goods, medical first aid in case of accidents involving dangerous goods, and the safe use of pesticides in ships.
- 14 Safe cargo stowage and securing and container safety and security matters.
- 15 Safety and security at the ship/port interface.
- 16 Transboundary movement of hazardous waste.

ANNEX 2

INFORMATION ON PROGRESS MADE ON SUBJECTS ESTABLISHED IN THE LONG-TERM WORK PLAN OF THE MARITIME SAFETY COMMITTEE UP TO 2008 (RESOLUTION A.907(22))

GENERAL SUBJECTS

1 Implementation, enforcement, monitoring, technical interpretation and improvement of conventions, codes, recommendations and guidelines

- .1 progress has been made on issues pertaining to the implementation and enforcement of safety-related matters. The Committee's focus of attention was also directed towards the development of measures to enhance maritime security. Other areas of activity under this subitem include:
 - .1.1 development of a methodology and parameters for analysing the self-assessment of flag State performance;
 - .1.2 CSD 7 recommendation to develop measures to ensure that ships comply with IMO instruments;
 - .1.3 responsibilities of Governments and measures to encourage flag State compliance (resolution A.847(20), development of a flag State implementation Code and transfer of ships between States); and
 - .1.4 confirmation of further STCW Parties communicating information demonstrating that they were giving full and complete effect to the relevant provisions of the STCW Convention;
- .2 technical interpretations and improvements of codes, recommendations and guidelines agreed or adopted during the biennium under review are indicated under relevant subjects;
- .3 the following amendments to safety-related instruments and new mandatory instruments have been completed and approved and/or adopted or are scheduled to be adopted:

1974 SOLAS Convention, as amended, and related instruments

- .3.1 amendments to chapter II-1;
- .3.2 amendments to chapter II-2;
- .3.3 amendments to chapter III;
- .3.4 amendments to chapter IV;
- .3.5 amendments to chapter V;

- .3.6 amendments to chapter VI;
- .3.7 amendments to chapter VII;
- .3.8 amendments to chapter XI (including renumbering as chapter XI-1);
- .3.9 new chapter XI-2 (maritime security);
- .3.10 amendments to chapter XII;
- .3.11 amendments to certificates and records of equipment;
- .3.12 amendments to resolution A.744(18);
- .3.13 amendments to the INF Code;
- .3.14 amendments to the 1994 HSC Code;
- .3.15 amendments to the 2000 HSC Code;
- .3.16 amendments to the IBC, IGC, BCH, GC Codes;
- .3.17 new Technical provisions for means of access for inspections; and
- .3.18 new ISPS Code;

1988 SOLAS Protocol

- .3.18 amendments to records of equipment;

1988 Load Line Protocol

- .3.19 amendments to Annex B

2 Role of the human element in the prevention of maritime casualties and accidents

- .1 guidance on the prevention of fatigue;
- .2 updated instructions to the Sub-Committees on human element matters taking into account the experience gained, including the simplification and standardization of terminology in operating manuals and recommendations on:
 - .2.1 user-friendliness;
 - .2.2 the safety of use of equipment;
 - .2.3 the harmonization of essential safety features of the equipment; and
 - .2.4 the need for clear, easily understandable and updated operating and technical manuals and drawings;

- .3 consideration of information submitted relating to human element issues;
- .4 revision of resolution A.792(19) on Safety culture in and around passenger ships, to include all types of ships;
- .5 development of a preliminary list of tools developed and activities carried out by the Organization directly addressing the human element; and
- .6 analysis of casualty reports.

3 Promotion and maintenance of a safety culture and maritime security consciousness

- .1 promotion of a safety culture and maritime security consciousness through repeated mentioning at IMO meetings and attendance by IMO staff and consultants at shipping industry and other conferences and seminars/workshops and delivery of technical papers; and
- .2 consideration of information relating to the development by Administrations of a pro-active maritime safety culture.

4 Shipboard and shore-based management for the safe operation of ships

- .1 revision of the Revised Guidelines on the implementation of the ISM Code by Administrations (resolution A.913(22)); and
- .2 development of guidance to increase the frequency of ISM Code Safety Management Certificate audit.

5 Formal safety assessment

- .1 work on the following issues has progressed:
 - .2.1 consideration of proposals on, and evaluation of, FSA studies submitted to the MSC (e.g. bulk carriers, large passenger ships);
 - .2.2 use of risk-based approach to various types of ships following the FSA Guidelines (bulk carriers, large passenger ships); and
 - .2.3 consideration of information relating to practical application of the FSA Guidelines and to training in FSA.

6 Procedures for the control of ships, including deficiency reports

- .1 work on the following issues has progressed:
 - .1.1 organization of a workshop for port State control Secretaries and Directors of Information Centres;
 - .1.2 monitoring of activities of PSC MoUs/Agreements;
 - .1.3 promotion of best practices on port State control activities to emerging MoUs;

- .1.4 improvement of port State control mechanisms through establishing a list of contact points of recognized organizations for better communication between port State control authorities and flag State Administrations and a list of contact points nominated by flag States for the notification of port State control detentions; etc.;
 - .1.5 review, analysis and evaluation of deficiency reports from PSC MoUs and regional Agreements;
 - .1.6 measures to promote harmonization, electronic transmission of, and open access to, PSC-related data; and
- .2 PSC officer training for bulk carriers.

7 Casualty statistics and investigation into serious casualties

- .1 work on the following issues has progressed:
- .1.1 review and analysis of casualty reports to identify safety issues for consideration by appropriate IMO bodies;
 - .1.2 review of the method of work of the Correspondence Group and Working Group on Casualty statistics with a view to improving the method or format of information analysed by the group;
 - .1.3 support to increased co-operation amongst substantially interested States in the conduct of investigations; and
 - .1.4 procedures for open access to the outcome of the analysis of casualty investigation reports.

8 Harmonization of survey and certification requirements

- .1 work on the following issues has progressed:
- .1.1 communication of information by Member States on the authorization of recognized organizations in accordance with the provisions of resolutions A.739(18) and A.789(19);
 - .1.2 revision of the guidelines on performance and control of classification societies to enhance supervision by flag State;
 - .1.3 improvements of surveyors' qualifications and mandatory use of exclusive surveyors by recognized organizations for statutory surveys;
 - .1.4 development of provisions on transfer of class;
 - .1.5 revision of the guidelines on the enhanced programme of inspection during surveys of bulk carriers and oil tankers (resolution A.744(18)) and;

.1.6 revision of the Survey Guidelines under the HSSC (resolution A.746(18)).

9 Prevention/suppression of piracy and armed robbery against ships; and other unlawful acts which may threaten the safety of maritime navigation

- .1 a series of evaluation and assessment missions have been completed to assist countries in tackling the problem and in implementing the relevant MSC guidelines;
- .2 a series of meetings to promote regional/sub-regional co-operation leading eventually to regional/sub-regional agreements for combating piracy and armed robbery against ships are being conducted; and
- .3 missions providing advisory services to countries which need technical assistance for developing their capacity to address the problem of piracy and armed robbery against ships are being organized.

10 Prevention/suppression of acts of terrorism against shipping

- .1 work on the following issues has been completed:
 - .1.1 amendments to SOLAS chapter V on acceleration of the implementation date of AIS;
 - .1.2 amendments to SOLAS chapter XI to renumber as chapter XI-1 and include requirements on identification numbers and continuous synopsis records;
 - .1.3 new SOLAS chapter XI-2 on Special measures to enhance maritime security;
 - .1.4 new ISPS Code containing part A (mandatory) and part B (recommendatory); and
 - .1.5 performance standards for a ship security alert system;
- .2 work on the following issues has progressed:
 - .2.1 long-range ship's identification and tracking; and
 - .2.2 display of the above information.

11 Safety measures and procedures for the treatment of persons at sea

- .1 work has progressed on development of draft amendments to both the SOLAS and SAR Conventions which have been prepared for approval by MSC with a view to adoption at MSC 78; and
- .2 an interagency co-ordinating mechanism for the treatment of persons rescued at sea was established between relevant specialized agencies and programmes (see subject 12) to ensure that the response of the UN in any future enquiry could be co-ordinated in a consistent manner and an interagency meeting was held.

12 Co-operation with the United Nations and other international bodies on matters of mutual interest

- | | | | |
|-----|---|---|--|
| .1 | ISO | - | standards relating to technology and radiocommunication and navigational equipment; |
| .2 | IEC, CIRM | - | standards relating to electrical installations and radiocommunication and navigational equipment; |
| .3 | ITU | - | radiocommunication and radionavigation technical standards; |
| .4 | ICAO | - | GNSS/SAR matters; |
| .5 | COSPAS-SARSAT | - | GMDSS matters; |
| .6 | Inmarsat/IMSO | - | GMDSS matters; |
| .7 | WMO | - | meteorological matters; and operational aspects of the NAVTEX service relating to meteorological messages/warnings; |
| .8 | IHO | - | hydrographic matters, ships' routing measures, navigational warnings, chart symbols and electronic navigational chart standards and updating procedures; |
| .9 | WCO | - | MoU on co-operation relating to the security of multi-modal transport of CTUs and ship/port interface matters |
| .10 | ILO | - | revision of the seafarers' identification document and joint ILO/IMO working group on the wider issue of port security; validation of STCW-related model courses; review of survey-related model courses; and revision of the fishing vessel Safety Code and Voluntary Guidelines; |
| .11 | UNHCR, OHCHR
ODCCP, UN (Office
of the Law of the Sea),
IOM | - | interagency initiative on the treatment of persons rescued at sea; |
| .12 | CICP, ODCCP | - | measures for combating unsafe practices associated with the trafficking or transport of illegal migrants by sea; |
| .13 | UN | - | following closely for necessary action developments on the United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea to consider, <i>inter alia</i> , the issue of maritime |

piracy, including armed robbery against ships; and any further developments at the United Nations level;

- .14 WHO - review of International Health Regulations and the Guide to Ships Sanitation; and standard relating to occupational health;
- .15 FAO - revision of ILO maritime conventions including Convention 108 on seafarers identity documents; assistance in preparation of seminars on implementation of the STCW-F Convention; illegal, unregulated and unreported (IUU) fishing and implementation of resolution A.925(22); and revision of the fishing vessel Safety Code and Voluntary Guidelines;
- .16 IACS - co-operation in the IACS Quality System Certification Scheme;
- .17 ICFTU - manual on operational requirements for seafarers;
- .18 UNCOE - development of amendments to the IMDG Code;
- .19 industry international organizations - multiple inspections;
- .20 EQUASIS - participation in the Equasis information system

13 Technical input in technical co-operation projects

- .1 assistance in the development of:
 - .1.1 a handbook and implementation of a global project for seminars/workshops on the enhancement of maritime and port security; and
 - .1.2 national capabilities for search and rescue, including shore-based facilities for the GMDSS;
- .2 capacity-building for:
 - .2.1 the conduct of marine casualty investigation and implementation of the Code for the investigation of marine casualties and incidents;
 - .2.2 the implementation of the revised IMDG Code; and
 - .2.3 the implementation of model regulations for non-convention ships.

SPECIFIC SUBJECTS

ITEMS RELATED TO SHIPS' DESIGN, CONSTRUCTION, MACHINERY, ELECTRICAL INSTALLATIONS AND EQUIPMENT

1 Safety aspects of the design, construction, machinery and electrical installations, equipment and operation of specific types of ships, including fishing vessels

- .1 work on the following issues has been completed;
 - .1.1 guidelines for maintenance and monitoring of on-board material containing asbestos;
 - .1.2 amendments to the Guidelines on emergency towing arrangements for tankers;
 - .1.3 Interim Guidelines for wing-in-ground (WIG) craft;
 - .1.4 Guidelines on the sampling method of thickness measurements for longitudinal strength evaluation and repair methods in accordance with annex 12 to Annex B to resolution A.744(18) as amended;
 - .1.5 Guidelines for ships operating in Arctic ice-covered waters;
 - .1.6 new SOLAS regulations XII/12 and XII/13; and
 - .1.7 proposed amendments to update the DSC Code and the 1994 HSC Code;
- .2 work on the following issues has progressed:
 - .2.1 amendments to resolution A.744(18);
 - .2.2 large passenger ship safety;
 - .2.3 revision of the fishing vessel Safety Code and Voluntary Guidelines;
 - .2.4 interpretations of the 2000 HSC Code;
 - .2.5 anchoring, mooring and towing equipment;
 - .2.6 amendments to SOLAS requirements on electrical installations;
 - .2.7 performance standards for water ingress alarms on bulk carriers;
 - .2.8 guidance on early abandonment of bulk carriers;
 - .2.9 application of IACS URs S26, S27 and S31 to bulk carriers;
 - .2.10 steel repair standards and shipbuilding practices;
 - .2.11 standards for hatch cover securing mechanisms on bulk carriers;

- .2.12 alternate hold loading ban for bulk carriers;
- .2.13 double-side-skin construction of bulk carriers;
- .2.14 application of structural standards in SOLAS chapter XII;
- .2.15 improved loading/stability information for bulk carriers;
- .2.16 performance standards for protective coating; and
- .2.17 amendments to provisions for electrical installations in SOLAS, IBC and IGC Codes

2 Ship intact and damage stability, subdivision and load lines

- .1 work on the following issues has been completed:
 - .1.1 amendments to annex B to the 1988 LL Protocol;
 - .1.2 guidelines on partially weathertight hatchway covers;
 - .1.3 matters related to bulk carrier safety other than those directly connected with load lines;
 - .1.4 revised model test method under resolution 14 of the 1995 SOLAS Conference;
 - .1.5 interpretations to the 2000 HSC Code;
 - .1.6 application of load line requirements to high-speed craft;
 - .1.7 guidelines on the conduct of high-speed craft model tests;
 - .1.8 stability aspects of ships operating in Arctic ice-covered waters;
 - .1.9 amendments to the 2000 HSC Code; and
 - .1.10 initial tests of watertight doors;
- .2 work on the following issues has progressed:
 - .2.1 revision of SOLAS chapter II-1 parts A, B and B-1;
 - .2.2 explanatory notes for harmonized SOLAS chapter II-1;
 - .2.3 revision of the fishing vessel Safety Code and Voluntary Guidelines;
 - .2.4 large passenger ship safety.

3 Manoeuvrability of ships

- .1 work on the following issues has been completed:
 - .1.1 Standards for ship manoeuvrability; and
 - .1.2 explanatory notes to the Standards for ship manoeuvrability.

4 Matters pertaining to fire protection, detection and extinction, fire-test procedures and other matters related to fire safety on board ships

- .1 work on the following issues has been completed:
 - .1.1 guidelines for smoke control and ventilation systems for internal assembly stations and atriums on new passenger ships;
 - .1.2 guidelines for the use and installation of detectors equivalent to smoke detectors;
 - .1.3 unified interpretations of the FTP Code;
 - .1.4 fire protection provisions of the guidelines for ships operating in Arctic ice-covered waters;
 - .1.5 improved guidelines for marine portable fire extinguishers;
 - .1.6 guidelines on the use of smoke helmet type breathing apparatus;
 - .1.7 unified interpretations of vague expressions and other vague wording of the revised SOLAS chapter II-2;
 - .1.8 fire protection requirements of the fishing vessel Safety Code and Voluntary Guidelines;
 - .1.9 guidelines on principles for conducting hot work on board ships;
 - .1.10 revision of resolution A.654(16);
 - .1.11 interim guidelines on partially weathertight hatchway covers on board containerships; and
 - .1.12 unified interpretations of chapter 7 of the 2000 HSC Code;
- .2 work on the following issues has progressed:
 - .2.1 unified interpretations of the revised SOLAS chapter II-2, the FSS Code and related fire test procedures;
 - .2.2 analysis of fire casualty records;
 - .2.3 large passenger ship safety;

- .2.4 performance testing and approval standards for fire safety systems;
- .2.5 guidelines for the manufacture and installation of oil mist detectors;
- .2.6 revision of the gas concentration limit on sulphur dioxide for floor coverings; and
- .2.7 guidelines on the use of directional sound for passenger evacuation

5 Safe evacuation, survival and recovery following maritime casualties or in case of distress

- .1 work on the following issues has been completed:
 - .1.1 interim guidelines for evacuation analysis for new and existing passenger ships;
 - .1.2 guidelines for assessment of thermal protection;
 - .1.3 guidelines for monthly inspections of immersion suits and anti-exposure suits by ships' crew;
 - .1.4 carriage requirements for search and rescue transponders (SARTs) on life-rafts of ro-ro passenger ships; and
 - .1.5 performance standards and tests for manually powered reverse osmosis desalinators;
- .2 work on the following issues has progressed:
 - .2.1 measures to prevent accidents with lifeboats;
 - .2.2 review of fast rescue boats and means of rescue requirements;
 - .2.3 carriage and stowage of immersion suits;
 - .2.4 performance testing and approval standards for SOLAS personal life-saving appliances; and
 - .2.5 free-fall lifeboats with float-free capability.

6 Tonnage measurement of ships

No particular action has been taken on this subject.

ITEMS RELATED TO NAVIGATION AND RADIOCOMMUNICATIONS

7 Measures to improve navigational safety, including ships' routing, requirements and standards for navigational aids, shipborne navigational systems and requirements, ship reporting systems and vessel traffic services

- .1 work on the following issues has been completed:
 - .1.1 performance standards for a bridge navigational watch alarm system (BNWAS);
 - .1.2 recommendation for the protection of the AIS VHF Data Link;
 - .1.3 amendment to performance standards for marine transmitting heading devices (THDs);
 - .1.4 guidelines for the installation of a shipborne automatic identification system (AIS);
 - .1.5 maintenance and administration of AIS binary messages;
 - .1.6 guidance note on the preparation of proposals on ships' routing and ship reporting systems;
 - .1.7 participation of ships in weather routing services;
 - .1.8 guidance on dangers of conflicting actions in collision avoidance;
 - .1.9 navigation provisions of the guidelines for ships operating in Antarctic ice-covered waters;
 - .1.10 interim guidelines for the presentation and display of AIS target information;
 - .1.11 guidelines on voyage data recorder (VDR) ownership and recovery;
 - .1.12 amendments to annex 2 (Recommendation on operational procedures for maritime pilots other than deep-sea pilots) to resolution A.485(XII);
 - .1.13 World-Wide radionavigation system;
 - .1.14 guidance for integrated bridge systems (IBS) covering operational aspects;
- .2 work on the following issues has progressed:
 - .2.1 new and amended traffic separation schemes and associated routing measures;
 - .2.2 mandatory ship reporting systems;
 - .2.3 routing measures other than traffic separation schemes;

- .2.4 requirements for the display and use of AIS information on shipborne navigational displays;
- .2.5 places of refuge;
- .2.6 anchoring, mooring and towing equipment;
- .2.7 feasibility study of mandatory carriage of voyage data recorders (VDRs) on existing cargo ships;
- .2.8 revision of performance standards for radar reflectors;
- .2.9 review of performance standards for radar equipment;
- .2.10 ITU matters, including Radiocommunication ITU-R Study Group 8 matters;
- .2.11 effective voyage planning for large passenger ships;
- .2.12 world-wide radio navigation system;
- .2.13 measures to enhance maritime security; and
- .2.14 guidance on early abandonment for bulk carriers.

8 Monitoring the operation of the global maritime distress and safety system and other maritime radiocommunication matters (including maritime safety information, shipborne radio equipment and operational procedures) and the world-wide provision of maritime search and rescue services

- .1 work on the following issues has been completed:
 - .1.1 revised list of NAVAREA co-ordinators;
 - .1.2 amendments to the GMDSS Master Plan;
 - .1.3 amendments to the International SafetyNET;
 - .1.4 guidance for the voluntary use of the standardized questionnaires and formats for reporting false alerts in collecting data on false alerts;
 - .1.5 guidance to Administrations on reporting false alerts to the Organization;
 - .1.6 guidelines for general radiocommunications;
 - .1.7 list of IMO documents and publications which should be available at maritime rescue co-ordination centres;
 - .1.8 guidance on proper use of VHF channels at sea;
 - .1.9 guidance on maintenance of a continuous listening watch on VHF channel 16 by SOLAS ships whilst at sea and installation of VHF DSC facilities on non-SOLAS ships;

- .1.10 amendments to performance standards for shipborne radiocommunication equipment (resolutions A.804(19) and A.806(19);
- .1.11 amendments to SOLAS chapter IV concerning the testing and maintenance requirements for satellite EPIRBs;
- .1.12 guidelines for shore-based maintenance of satellite EPIRBs;
- .1.13 guidelines on annual testing of 406MHz satellite EPIRBs;
- .1.14 performance standards for Inmarsat ship earth stations capable of two-way communication (Fleet 77);
- .1.15 amendments to the IAMSAR Manual;
- .1.16 guidance for mass rescue operations;
- .1.17 guidelines for preparing plans for co-operation between search and rescue services and passenger ships (in accordance with SOLAS regulation V/7.3);
- .1.18 list of contents of the emergency medical kit/bag and medical consideration of its use on ro-ro passenger ships not normally carrying a medical doctor;
- .1.19 guidance on ships' daily reporting of their positions to their companies;
- .1.20 harmonized GMDSS requirements for radio installations on board SOLAS ships;
- .1.21 procedure for evaluation and possible recognition of mobile-satellite systems notified for use in the GMDSS;
- .1.22 revised performance standards for narrow-band direct-printing telegraph equipment for the reception of navigational and meteorological warnings and urgent information to ships (NAVTEX);
- .1.23 revised performance standards for survival craft portable two-way VHF radiotelephone apparatus; and
- .1.24 guidance on responsibility and liability issues related to the use of the emergency medical kit/bag and evaluation of its use in emergency incidents;
- .2 work on the following issues has progressed:
 - .2.1 harmonization of aeronautical and maritime SAR;
 - .2.2 Global Maritime Distress and Safety System (GMDSS):
 - .1 matters related to the GMDSS Master Plan;
 - .2 operational and technical co-ordination provisions of Maritime Safety Information (MSI) services;

- .3 developments in maritime radiocommunication systems and technology; and
- .2.3 ITU maritime radiocommunication matters:
 - .1 ITU World Radiocommunication Conference;
 - .2 exhaustion of MMSI numbers; and
 - .3 revision of a recommendation on DSC alerting;
- .2.4 satellite services (Inmarsat and COSPAS-SARSAT);
- .2.5 emergency radiocommunications, including false alerts and interference;
- .2.6 matters concerning search and rescue (including those related to the 1979 SAR Conference and the implementation of the GMDSS), including:
 - .1 harmonization of aeronautical and maritime search and rescue procedures, including SAR training matters; and
 - .2 plan for the provision of maritime SAR services, including procedures for routing distress information in the GMDSS;
- .2.7 large passenger ship safety;
- .2.8 review of the SOLAS and SAR Convention provisions to address the treatment of persons rescued at sea;
- .2.9 revision of the forms of nuclear ship safety certificates;
- .2.10 updating the publications “GMDSS Handbook”, “Performance standards for shipborne radiocommunication and navigational equipment” and “IAMSAR Manual”; and
- .2.11 medical assistance in SAR services.

ITEMS RELATED TO TRAINING, CERTIFICATION AND WATCHKEEPING

9 Training, watchkeeping and operational procedures for maritime personnel, including seafarers, fishing vessel personnel, maritime pilots, VTS operators, those responsible for maritime safety on mobile offshore units and shore-based port personnel

- .1 work on the following issues has been completed:
 - .1.1 recommendations on training and certification and operational procedures for maritime pilots other than deep-sea pilots;

- .1.2 clarification of the need to solicit the views of competent persons on additional information communicated under the provisions of STCW article IV and regulation I/7;
- .1.3 advice to port state control officers and recognized organizations on action to be taken in cases where not all seafarers carry certificates and endorsements meeting STCW 95 requirements after 1 February 2002;
- .1.4 guidance for port State control officers on issues related to certificates of competency;
- .1.5 a list of actions to be taken in respect of unlawful practices associated with certificates of competency and endorsements;
- .1.6 Guidelines for ships operating in Arctic ice-covered waters;
- .1.7 revision of the fishing vessel Safety Code and Voluntary Guidelines;
- .1.8 issues to be considered when interpreting computer-based technologies into training and assessment of seafarers;
- .2 work on the following issues has progressed:
 - .2.1 validation of new model courses;
 - .2.2 follow-up action to the 1995 STCW Conference, including:
 - .1 preparation of procedures for regular updating of the so-called “white-list” and consideration of the need for amending the STCW Convention and the STCW Code;
 - .2 watchkeeping at anchor; and
 - .3 preparation of amendments to the STCW Code to clarify the title of certificates and endorsements relating to the revised STCW Convention;
 - .2.3 follow-up action to the 1995 STCW-F Conference including arranging a series of seminars to promote its implementation; and
 - .2.4 promotion of the assessment provisions in the STCW Convention through regional seminars and workshops.

10 Seafarers’ certificates of competency

- .1 work on the following issues has progressed:
 - .1.1 establishment of a facility on IMO website to validate certificates of competency; and

- .1.2 provision of guidance and advice on issues related to seafarers' certificates of competency.

ITEMS RELATED TO CARGO HANDLING

11 Safe handling and carriage by sea of solid and liquid bulk cargoes

- .1 work on the following issues has been completed:
 - .1.1 criteria for assigning carriage requirements for products subject to the IBC Code; and
 - .1.2 recommendations for the use of standard format for the cargo information required by the IBC Code;
- .2 work on the following issues has progressed:
 - .2.1 review of the BC Code, including evaluation of the properties of solid bulk cargoes;
 - .2.2 complete revision of the BC Code, including revision of the format of the Code;
 - .2.3 amendments to the lists of solid bulk cargoes, which are non-combustible or constitute a low fire risk or for which a fixed gas fire-extinguishing system is ineffective; and
 - .2.4 carriage of cargoes containing toxic substances

12 Safe handling and carriage of dangerous goods in packaged form, including portable tanks, unit loads, other cargo transport units, shipborne barges and intermediate bulk containers (IBCs)

- .1 work on the following issues has been completed:
 - .1.1 new IMDG Code as adopted by resolution MSC.122 (75);
 - .1.2 amendments to SOLAS to make the IMDG Code mandatory; and
 - .1.3 revision of IMO Model Course 1.10 - Dangerous, hazardous and harmful cargoes.
- .2 work on the following issues has progressed:
 - .2.1 amendments to the new IMDG Code;
 - .2.2 granting exemptions from the provisions of the IMDG Code;
 - .2.3 incidents related to fumigated units and amendments to the IMDG Code;
 - .2.4 transitional provisions for IMO portable tanks;

- .2.5 stowage and segregation provisions in relation to properties and observation of dangerous goods;
- .2.6 dangerous goods information in transport documents;
- .2.7 guidance and advice on the implementation of the new IMDG Code; and
- .2.8 harmonization of criteria for defining marine pollutants in packaged form with those developed by the UN Committee of Experts on the Transport of Dangerous Goods.

13 Emergency procedures and safety measures for ships carrying dangerous goods, medical first aid in case of accidents involving dangerous goods, and the safe use of pesticides in ships

- .1 work on the following issues has been completed:
 - .1.1 review of the emergency procedures for ships carrying dangerous goods; and
 - .1.2 review of the Supplement to the new IMDG Code.
- .2 work on the following issue has progressed:
 - .2.1 stowage conditions of water-reactive dangerous cargoes.

14 Safe cargo stowage and securing and container safety matters

- .1 work on the following issues has been completed:
 - .1.1 stowage and segregation requirements for freight containers on containerships with partially weatherproof hatch covers;
 - .1.2 instrument for multimodal training requirements;
 - .1.3 material characteristics of CSC safety approval plates;
 - .1.4 amendments to recommendations on harmonized interpretation and implementation of the CSC Convention; and
 - .1.5 amendments to annex 13 of the CSS Code.
- .2 work on the following issues has progressed:
 - .2.1 cargo-related safety aspects of ballast water management;
 - .2.2 cargo securing manual and cargo information;
 - .2.3 incident reports and analysis;

- .2.4 container inspection programmes;
- .2.5 guidance on serious structural deficiencies in containers; and
- .2.6 security of closed cargo transport units, in co-operation with WCO.

15 Safety at the ship/port interface

- .1 work on the following issues has progressed:
 - .1 manual on loading and unloading of solid bulk cargoes for terminal representatives;
 - .2 tug assistance;
 - .3 development of guidelines for the training of port marine personnel; and
 - .4 measures to enhance maritime security.

16 Transboundary movement of hazardous waste

No particular action has been taken on this subject.
