



Standard Guide for Vessel-Related Technical Information for Use in Developing an Electronic Database and Ship Safety Record¹

This standard is issued under the fixed designation F2001; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This guide provides a uniform format and definition of general vessel-related technical information, including ship safety data, to be used by ship owners and operators, at their option and to the extent that they consider beneficial to their operation. It is recognized that all of the data is already contained in various documents on the vessel, but normally not electronically and normally not in one location. The Ship Safety Record is designed to provide an industry-accepted common method of identifying, maintaining, and subsequently communicating the safety-related information needed for maritime operations. It is recognized that many of the data fields are not applicable for every vessel. **Appendix X1 and Appendix X2** provide examples of how data elements in this guide may be used for a specific purpose, that is, the USCG's Automated Identification System (AIS) and the Advance Notice of Arrival.

1.2 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.3 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 ASTM Standards:²

F1756 Guide for Implementation of a Fleet Management System Network (Withdrawn 2015)³

¹ This guide is under the jurisdiction of ASTM Committee F25 on Ships and Marine Technology and is the direct responsibility of Subcommittee F25.05 on Computer Applications.

Current edition approved Feb. 1, 2022. Published April 2022. Originally approved in 2000. Last previous edition approved in 2015 as F2001 – 15. DOI: 10.1520/F2001-15R22.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.

F1757 Guide for Digital Communication Protocols for Computerized Systems

2.2 IMO Documents:⁴

The International Management Code for the Safe Operation of Ships and for Pollution Prevention (The ISM Code) 1994

International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW Convention) 1995

Convention on Facilitation of International Maritime Traffic 1965, As Amended

2.3 U.S. Coast Guard Documents:⁵

33 CFR 160.207 Notice of Arrival: Vessels Bound for Ports or Places in the United States

33 CFR 160.211 Notice of Arrival: Vessels Carrying Certain Dangerous Cargo⁵

2.4 Other Documents:

Paris Memorandum of Understanding (MOU) on Port State Control⁶

Tokyo Memorandum of Understanding (MOU) on Port State Control⁷

Acuerdo de Vina del Mar (MOU) Latin American Agreement⁸

Memorandum of Understanding on Port State Control in the Caribbean Region (Caribbean MOU)⁹

Memorandum of Understanding on Port State Control in the Mediterranean Region (Mediterranean MOU)¹⁰

⁴ Available from International Maritime Organization (IMO), 4, Albert Embankment, London, UK, SE1 7SR, <http://www.imo.org>.

⁵ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.

⁶ Available from Secretariat Paris MOU on Port State Control, P.O. Box 90653, 2509 LR The Hague, The Netherlands, <https://www.parismou.org>.

⁷ Available from Tokyo MOU Secretariat, Ascend Shimbashi 8F, 6-19-19, Shimbashi Minato-Ku, Tokyo, Japan 105-0004, <http://www.tokyo-mou.org>.

⁸ Available from Secretariat of the Latin American Agreement on Port State Control, 235, 8th floor, Office 25 y 26, 1106 - Ciudad Autónoma de Buenos Aires República Argentina, <http://www.acuerdolatino.int.ar>.

⁹ Available from Secretariat, Caribbean MOU, The Office Centre Building, 2nd Floor, 12 Ocean Boulevard, Kingston Jamaica W.I., <http://www.caribbeanmou.org>.

¹⁰ Available from Mediterranean MOU Secretariat Contacts, P.O. Box: 3101, 746 Blue Horizon Building El Cornish Str., 17th Floor Mandara, Alexandria, Egypt, <http://www.medmou.org>.

Indian Ocean Memorandum of Understanding on Port State Control (Indian Ocean MOU)¹¹
 Memorandum of Understanding for the West and Central African Region (Abuja MOU)¹²
 Black Sea Memorandum of Understanding on Port State Control (Black Sea MOU)¹³

any and all of the information. It is expected that operators will elect to make portions of their Ship Safety Record database available to other interested parties such as flag states, class societies, and port states.¹⁴ The Ship Safety Record should provide for the implementation of several levels of electronic database security as may be required by the vessel owner or operator. The data that becomes part of the Ship Safety Record can be thought of in a number of subsets:

4.2.1 Data that is not subject to change, including particulars of the vessel, and so forth.

4.2.2 Data that is subject to change but not normally by the ship's crew.

4.2.3 Data that will be updated periodically either manually or as a result of updates to other computer systems or applications. This would include, as an example, cargo information, ballast conditions, the names/identification of crew members, and passenger details. This would also include information relative to internal inspections, maintenance records, internal audits, safety audits, and so forth.

4.3 Guides **F1756** and **F1757** may be used as the basis for implementation of a shipboard electronic database and ship safety record.

5. Vessel Particulars

5.1 Vessel Identification:

5.1.1 IMO number.

5.1.2 Vessel name.

5.1.3 Previous names.

5.1.4 Vessel type.

5.1.5 Vessel call sign.

5.1.6 Flag state.

5.1.7 Ship owner.

5.1.8 Ship operator (who is responsible for ISM compliance).

5.1.9 Company as defined in ISM Code.

5.1.10 Company contact information.

5.1.11 Current classification society.

5.1.12 Builder's name.

5.1.13 Construction contract date.

5.1.14 Keel laying date.

5.1.15 Delivery date.

5.2 Vessel Certificates:

5.2.1 The actual list of certificates required for a vessel is a function of the vessel's intended trade route, flag state, and international requirements.

5.2.1.1 Certificate of registry.

5.2.1.2 Safety equipment certificate.

5.2.1.3 Safety construction certificate(s).

5.2.1.4 Cargo ship safety certificate.

5.2.1.5 Passenger ship safety certificate.

5.2.1.6 Radio safety certificate.

5.2.1.7 Cargo ship radio telegraphy certificate.

5.2.1.8 Cargo ship radio telephony certificate.

5.2.1.9 SOLAS exemption certificate.

¹⁴ Technical information pertaining to Port State Control is included in a Memorandum of Understanding (MOU) for various regions worldwide as listed in 2.4.

3. Terminology

3.1 Abbreviations:

3.1.1 CAP—Condition Assessment Program

3.1.2 CFR—Code of Federal Regulations

3.1.3 ETA—estimated time of arrival

3.1.4 ETD—estimated time of departure

3.1.5 ILO—International Labor Organization

3.1.6 IMO—International Maritime Organization

3.1.7 IOPP—International Oil Pollution Prevention

3.1.8 ISM—International Management Code for the Safe Operation of Ships and for Pollution Prevention

3.1.9 ISM DOC—ISM Document of Compliance

3.1.10 ISM SMC—ISM Safety Management Certificate

3.1.11 MARPOL—International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978 relating thereto

3.1.12 NLS—noxious liquid substance

3.1.13 NUC—not under command

3.1.14 OPA 90—U.S. Oil Pollution Act of 1990

3.1.15 RO RO—roll-on/roll-off vessel

3.1.16 SOLAS—Safety of Life at Sea Convention

3.1.17 STCW—International Convention on Standards of Training, Certification and Watchkeeping for Seafarers 1995

3.1.18 UTC—universal time coordinated

4. Significance and Use

4.1 The Ship Safety Record is an electronic database of information pertaining to a specific vessel including information related to the safe operation of the vessel and the safety of its crew and the environment. The data is grouped and organized under the following key categories: vessel particulars, vessel status, crew requirements, crew status, voyage specific data, record of inspection, record of incidents, and corrective actions.

4.2 The Ship Safety Record is created and maintained in each instance for the primary benefit of the owner, technical manager, or operator who is required through the implementation of the ISM Code to be cognizant of such information. The information in the database is at all times the property of the owner who will maintain and control the dissemination of

¹¹ Available from Indian Ocean MOU Secretariat, House No. 92, Plot No. A-8, Rangavi Estate, Dabolim, GOA-403801, India, <http://www.iomou.org>.

¹² Available from Secretariat, Abuja MoU on PSC-WCA, 1, Joseph Street (2nd Floor), P.O. Box 4574 Marine, Lagos, Nigeria, <http://www.abujamou.org>.

¹³ Available from Secretariat, Kemankes Cad. No.63 Kat:4/412, (Kıyı Emniyeti Genel Mudurlugu), 34425 Beyoglu/Istanbul Turkey, <http://www.bsmou.org>.

- 5.2.1.10 International load line certificate.
 - 5.2.1.11 International load line exemption certificate.
 - 5.2.1.12 Certificate of fitness (liquefied gases in bulk).
 - 5.2.1.13 Certificate of fitness (chemicals in bulk).
 - 5.2.1.14 Oil pollution certificate.
 - (1) IOPP Certificate/NLS Certificate and Form A Supplement (MARPOL) and Form B.
 - (2) Annex to Civil Liability for Oil Pollution Damage 1992.
 - (3) Annex to Compensation for Oil Pollution Damage 1992.
 - 5.2.1.15 Hazardous & Noxious Substances Certificate.
 - 5.2.1.16 Minimum Safe Manning Document.
 - 5.2.1.17 ISM Safety Management Certificate.
 - 5.2.1.18 ISM Document of Compliance.
 - 5.2.1.19 Classification Certificates:
 - (1) Hull.
 - (2) Machinery.
 - (3) Automation.
 - (4) Navigation.
 - 5.2.1.20 International Tonnage Certificate 1969.
 - 5.2.1.21 National Certificates:
 - (1) Panama Tonnage Certificate.
 - (2) Suez Tonnage Certificate.
 - (3) USCG Certificate of Inspection.
 - (4) U.S. Certificate of Financial Responsibility.
 - (5) Stability Approval Letter.
 - 5.2.1.22 Ship's radio station license.
 - 5.2.1.23 Supplementary to Safety Steering Gear Certificate.
 - 5.2.1.24 Certificate of Sanitary Construction.
 - 5.2.1.25 Register of Cargo Gear.
 - 5.2.1.26 Certificate of Documentation, unless 5.2.1.1.
 - 5.2.1.27 Life Raft Certificates.
 - 5.2.1.28 Certificates of Financial Responsibility (COFR).
 - 5.2.1.29 ITOPI Membership Certificate.
 - 5.2.1.30 Certificate of Deadweight.
 - 5.2.1.31 U.S. Tonnage Certificate.
 - 5.2.1.32 Certificate of Official Number.
- 5.3 *Particulars of the Vessel's Physical Characteristics:*
- 5.3.1 (LOA) length overall (metres/feet).
 - 5.3.2 (LBP) Length between perpendiculars (metres/feet).
 - 5.3.3 Design draft (metres/feet).
 - 5.3.4 Beam (metres/feet).
 - 5.3.5 Keel to top of mast height (metres/feet).
 - 5.3.6 (DWT) summer deadweight (metric tons).
 - 5.3.7 (GRT) gross register tons (metric tons) (for Tankers may be reduced GRT in accordance with IMO Res. A388(x)).
 - 5.3.8 GRT gross register tons U.S.
 - 5.3.9 Displacement (metric tons).
 - 5.3.10 Lightship weight (metric tons).
 - 5.3.11 Molded depth at sea (metres/feet).
 - 5.3.12 Description of steering gear.
 - 5.3.13 Type of rudder.
- 5.4 *Particulars of the Vessel Subdivision and Stability Data:*
- 5.4.1 (VCG) light ship vertical center of gravity (metres/feet).
 - 5.4.2 (LCG) light ship longitudinal center of gravity (metres/feet).
 - 5.4.3 Cargo subdivision (number of holds or tanks).
 - 5.4.4 Intact stability limitations (cargo conditions limiting vessel operation).
 - 5.4.5 Damage stability criteria.
 - 5.4.6 Minimum metacentric height; G.M.
 - 5.4.7 Identification of shipboard trim and stability electronic program.
- 5.5 *Particulars of the Vessels Machinery:*
- 5.5.1 Main engine type.
 - 5.5.2 Main engine manufacturer.
 - 5.5.3 Main engine model.
 - 5.5.4 Main engine rating.
 - 5.5.5 Main engine fuel.
 - 5.5.6 List of critical auxiliary machinery.
- 5.6 *Particulars of the Vessel Safety System:*
- 5.6.1 Number and size of fire pumps.
 - 5.6.2 Number and type of fire extinguishers.
 - 5.6.3 CO₂ system/ fixed fire fighting systems.
 - 5.6.4 Number and size of life boats.
 - 5.6.5 Number and size of life rafts.
 - 5.6.6 Automatic fire control system.
- 5.7 *Particulars of the Vessel Navigation Systems:*
- 5.7.1 Description of marine radar system.
 - 5.7.2 Description of magnetic steering compass.
 - 5.7.3 Description of gyro compass/repeater.
 - 5.7.4 Description of rudder angle indicator.
- 5.8 *Particulars of the Vessel Deck Machinery:*
- 5.8.1 Number and capacity of anchors and anchor windlass.
 - 5.8.2 Number and capacity of mooring winch.
 - 5.8.3 Number and capacity of cargo and other lifting gear.
 - 5.8.4 Cargo gear registry.
 - 5.8.5 Number and capacity of hose handling crane.
- 5.9 *Particulars of Cargo System:*
- 5.9.1 Type of Cargo.
 - 5.9.2 *Vessels Cargo Handling Systems*—Number and size of cargo pumps, description of piping system, cargo control system, manifolds, vessels dry cargo loading and unloading systems, cargo cranes, and so forth.
- 5.10 *Vessel Communications Systems:*
- 5.10.1 Radio equipment.
 - 5.10.2 Shipboard Information Technology Platform (SITP); operating system.
 - 5.10.3 Interior communications.
 - 5.10.4 Satcom.
 - 5.10.5 Cellular.
 - 5.10.6 PC network.
- 5.11 *Vessel Response Plan(s) (Can Include International and Locally Required Plans)*—Notification contact names and numbers for the following:
- 5.11.1 Qualified individual.
 - 5.11.2 Oil spill response organization.
 - 5.11.3 Spill management team.
 - 5.11.4 Salvage/fire fighting/lightering organization.
 - 5.11.5 Electronic hull file location/custodian.
- 5.12 *Incident/Accident Record (Dates of Each):*
- 5.12.1 Pollution incident.

- 5.12.2 Grounding.
- 5.12.3 Collision.

6. Vessel Status

6.1 *Status of Certificates*—List the current status of each certificate as stated in 5.2. The actual list of certificates required for a vessel is a function of the vessel's trade and will be determined by flag state and international requirements.

- 6.1.1 Certificate of Registry.
- 6.1.2 Safety Equipment Certificate.
- 6.1.3 Safety Construction Certificate(s).
- 6.1.4 Cargo Ship Safety Certificate.
- 6.1.5 Passenger Ship Safety Certificate.
- 6.1.6 Safety Radio Certificate.
- 6.1.7 Cargo Ship Radio Telegraphy Certificate.
- 6.1.8 Cargo Ship Radio Telephony Certificate.
- 6.1.9 SOLAS Exemption Certificate.
- 6.1.10 International Load Line Certificate.
- 6.1.11 International Load Line Exemption Certificate.
- 6.1.12 Certificate of Fitness (liquefied gases in bulk).
- 6.1.13 Certificate of Fitness (chemicals in bulk).
- 6.1.14 Oil Pollution Certificate.
 - 6.1.14.1 IOPP Certificate/NLS Certificate and Form A Supplement (MARPOL) and Form B.
 - 6.1.14.2 Annex to Civil Liability For Oil Pollution Damage 1992.
 - 6.1.14.3 Annex to Compensation For Oil Pollution Damage 1992.
- 6.1.15 Hazardous & Noxious Substances Certificate.
- 6.1.16 Minimum Safe Manning Document.
- 6.1.17 ISM Safety Management Certificate.
- 6.1.18 ISM Document of Compliance.
- 6.1.19 Classification Certificates:
 - 6.1.19.1 Hull.
 - 6.1.19.2 Machinery.
 - 6.1.19.3 Automation.
 - 6.1.19.4 Navigation.
- 6.1.20 International Tonnage Certificate 1969.
- 6.1.21 National certificates:
 - 6.1.21.1 Panama Tonnage Certificate.
 - 6.1.21.2 Suez Tonnage Certificate.
 - 6.1.21.3 USCG Certificate of Inspection.
 - 6.1.21.4 U.S. Certificate of Financial Responsibility.
 - 6.1.21.5 Stability Approval Letter.
- 6.1.22 Ship's Radio Station License.
- 6.1.23 Supplementary to Safety Steering Gear Certificate.
- 6.1.24 Certificate of Sanitary Construction.
- 6.1.25 Register of Cargo Gear.
- 6.1.26 Certificate of Documentation, unless 6.1.1.
- 6.1.27 Life Raft Certificates.
- 6.1.28 Certificate of Financial Responsibility (Alaska Pipeline).
- 6.1.29 ITOPF Membership Certificate.
- 6.1.30 Certificate of Deadweight.
- 6.1.31 U.S. Tonnage Certificate.
- 6.1.32 Certificate of Official Number.

6.2 *Status of Hull Structure:*

- 6.2.1 Local structural damage reported by crew as a result of routine on-board inspection.
- 6.2.2 Temporary repairs to be completed.
- 6.2.3 Outstanding items from last class survey report.
- 6.2.4 Status of coatings.
- 6.2.5 Status of cathodic protection system.

6.3 *Status of Machinery: Inoperable Equipment, Repair Work Schedules, and So Forth:*

- 6.3.1 Main engine.
- 6.3.2 Main and auxiliary boilers.
- 6.3.3 Other auxiliaries.
- 6.3.4 Outstanding items from last Class Survey Report.

6.4 *Status of Vessel Safety Systems:*

- 6.4.1 Inoperable equipment.
- 6.4.2 Last operation of emergency generator.
- 6.4.3 Last operation of emergency fire pump.
- 6.4.4 Outstanding items from last Class Survey Report.

6.5 *Status of Vessel Navigation Systems:*

- 6.5.1 Steering gear engines.
- 6.5.2 Steering control system.
- 6.5.3 Marine radar system.
- 6.5.4 Magnetic steering compass.
- 6.5.5 Gyro compass/Repeater.
- 6.5.6 Rudder angle indicator.
- 6.5.7 Outstanding items from last Class Survey Report.
- 6.5.8 Status of Global Positioning System (GPS) receiver(s).

6.6 *Report of Fuel Quality*—Report the following for each fuel on board:

- 6.6.1 Density.
- 6.6.2 Viscosity.
- 6.6.3 Pour point.
- 6.6.4 Water content.
- 6.6.5 Fuel stability.
- 6.6.6 Abrasive particles.
- 6.6.7 Salt water.
- 6.6.8 Strong acidity.
- 6.6.9 Sulfur content.

6.7 *Report on Lube Oil Quality:*

- 6.7.1 Change in viscosity.
- 6.7.2 Presence of water.
- 6.7.3 Strong acidity.
- 6.7.4 Comparative viscosity.

7. Crew Requirements

7.1 *Identification of Crew Positions Consistent with Safe Manning Requirements and Muster List:*

- 7.1.1 Master.
- 7.1.2 Officers in charge of a navigational watch.
- 7.1.3 Chief mate.
- 7.1.4 Officer in charge of a navigational watch; near—coastal voyage.
- 7.1.5 Master—near—coastal voyage.
- 7.1.6 Ratings forming part of a navigational watch.
- 7.1.7 Officer in charge of engineering watch propulsion power (>750 kw).
- 7.1.8 Chief engineer propulsion power (>3000 kw).

- 7.1.9 Chief engineer propulsion power (750 to 3000 kw).
- 7.1.10 Second engineer propulsion power (>3000 kw).
- 7.1.11 Second engineer propulsion power (750 to 3000 kw).
- 7.1.12 Ratings forming part of an engineering watch.
- 7.1.13 Radio operator.
- 7.1.14 GMDSS qualified officers.
- 7.1.15 Officers qualified to carry out cargo transfer operations.

7.2 *Training Requirements*—For each position and who qualified:

- 7.2.1 Requirements for familiarity with company procedures.
- 7.2.2 STCW training (in accordance with Section A-VI/1 and A-VZ as applicable):
 - 7.2.2.1 Tanker familiarization course—chemical tanker—liquefied gas tanker.
 - 7.2.2.2 Personal survival techniques.
 - 7.2.2.3 Advanced fire fighting.
 - 7.2.2.4 Medical first aid.
 - 7.2.2.5 Personnel in charge of medical care.
 - 7.2.2.6 Personal safety and social responsibility.
 - 7.2.2.7 Ro-Ros (passenger ships).
 - (1) Crowd management.
 - (2) Crisis management.
 - 7.2.3 Survival craft and rescue boat training.
 - 7.2.4 Fast rescue boat training.
 - 7.2.5 Familiarization training.
 - 7.2.6 Listing of officers qualified to perform on-board training and on-board assessment of training.

8. Status of Crew and Persons Other Than Passengers on Board

8.1 *Identification of Crew and Persons Other Than Passengers on Board:*

- 8.1.1 Full name of each person.
- 8.1.2 Rank or rating.
- 8.1.3 Date and place of birth.
- 8.1.4 Muster list assignments.
- 8.1.5 Position as defined in 3.1 filled by each named crew member.
- 8.1.6 Date signed on.
- 8.1.7 Vacant positions from 7.1.

8.2 *Certificate of Competency for Each Crew Member as Issued by Flag State of Vessel; (Issue Date, Validity):*

- 8.2.1 Seafarer's name.
- 8.2.2 Date of birth.
- 8.2.3 Nationality.
- 8.2.4 Sex.
- 8.2.5 Relevant document number.
- 8.2.6 Date of issue.
- 8.2.7 Date of expiry.
- 8.2.8 Last revalidation date.
- 8.2.9 Details of dispensation(s).
- 8.2.10 STCW certification of each licensed crew member.
 - 8.2.10.1 STCW competency standard (for example, regulation II/I).
 - 8.2.10.2 Title.
 - 8.2.10.3 Function.

8.2.10.4 Endorsements.

8.3 *Training Records*—For each person on board other than passengers:

- 8.3.1 STCW training (as applicable to type of vessel and person with designated safety or pollution duties):
 - 8.3.1.1 Tanker familiarization course.
 - 8.3.1.2 Personal survival techniques.
 - 8.3.1.3 Advanced fire fighting.
 - 8.3.1.4 Medical first aid.
 - 8.3.1.5 Personnel in charge of medical care.
 - 8.3.1.6 Personal safety and social responsibility.
 - 8.3.1.7 Ro-Ros (passenger ships).
- 8.3.2 Familiarization training.
- 8.3.3 Listing of personnel by position required to have on-board training record book.
- 8.3.4 Evidence of training in company procedures.

8.4 *Medical Records for Each Crew Member:*

- 8.4.1 Documented evidence of medical fitness for each crew member in accordance with ILO Convention No. 73.
- 8.4.2 Proof of drug/alcohol testing.

8.5 *Log of Hours Worked (Compliance with OPA 90 STCW)*—Hours worked each week for each crew member forming part of a navigational or engineering watch.

8.6 *Required Drills Last Performed (Date and Time):*

- 8.6.1 Fire drill/explosion.
- 8.6.2 Boat drill.
- 8.6.3 Rescue boat drill.
- 8.6.4 Man overboard drill.
- 8.6.5 Entering and leaving port equipment drills.
- 8.6.6 Abandon ship drill.
- 8.6.7 Enclosed space rescue drill.

9. Voyage Specific Data

9.1 *Port of Departure (Last Port of Call):*

- 9.1.1 Name of port, country.
- 9.1.2 Date and time of departure.

9.2 *Destination Port (Next Port of Call):*

- 9.2.1 Name of port, country.
- 9.2.2 Estimated time of arrival.
- 9.2.3 Facility name.
- 9.2.4 Loading/off loading.
- 9.2.5 Bunkering—Y/N.
- 9.2.6 Lightering—Y/N.
- 9.2.7 Agent.

9.3 *Loading Pattern:*

- 9.3.1 Tons of cargo in each liquid cargo tank and percent full.
- 9.3.2 Tons of fuel in each fuel tank and percent full.
- 9.3.3 Tons of bulk cargo in each cargo hold.
- 9.3.4 Tons of bulk cargo/containers stowed above deck.
- 9.3.5 Planned loading and off-loading sequence.
- 9.3.6 Type of cargo carried.
- 9.3.7 Location of each cargo carried.

9.4 *Ballast Condition:*

- 9.4.1 Tons of ballast in each ballast tank; percent full and location where ballast taken on.