

INTER-GOVERNMENTAL MARITIME
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RECORD OF CARGO SHIP SAFETY EQUIPMENT

- 1 The Maritime Safety Committee at its forty-second session received a model form of a Record of Approved Cargo Ship Safety Equipment adopted by the International Association of Classification Societies (IACS) shown overleaf to this note.
- 2 The document will be completed by Member Societies of IACS when the Cargo Ship Safety Equipment Certificate of the 1974 SOLAS Convention will be issued for the first time following the initial survey by that Society of new and existing cargo ships and of cargo ships transferring register.
- 3 The document is to be permanently kept on board and kept up to date for use at subsequent surveys for renewal and as a reference for ships' personnel in maintaining equipment.
- 4 The Committee agreed that such document would be very useful and also encouraged Contracting Governments to the 1974 SOLAS Convention which have not authorized IACS Member Societies as agents to use the form of record and to place completed forms on board the ships. This would be of assistance not only at subsequent surveys but also as a reference for port states exercising control of ships. The Committee expressed the hope that eventually all cargo ships under the 1974 SOLAS Convention would have such records on board.

RECORD OF APPROVED CARGO SHIP SAFETY EQUIPMENT

To meet the provisions of the International Convention for the Safety of Life at Sea, 1974

This form must be kept on board and be available for inspection by a nominated surveyor or recognised organisation at all times

Name of Ship	Signal Letters	Nationality and Port of Registry	Gross Tonnage	Date Keel Laid
				<i>See note below</i>

Previous Name and Nationality		Names of any known Sister Ships		
Builders		Yard No.	Identification No.	
Class		Type of ship		
Name and Address of Owners, Managers or Managing Agents			Length of Ship	
			B.P.	
			Regd.	
			O.A.	

The total number of persons provided for by life saving appliances is _____ and no more, viz:—

lifeboats on port side capable of accommodating _____	persons	
lifeboats on starboard side capable of accommodating _____	persons	
motor lifeboats (included in the total lifeboats shown above)		
mechanically propelled lifeboats) included in the total lifeboats shown above)		
liferafts { for which approved launching devices are required } capable of accommodating _____	persons	}
liferafts { for which approved launching devices are NOT required } capable of accommodating _____	persons	
liferaft stowed forward capable of accommodating _____	persons	}
lifebuoy		excluding any liferaft forward
lifejackets		

NOTE:— It will be sufficient to indicate the year in which the keel was laid or when the ship was at a similar stage of construction except 1952, 1967 and 1980, in which cases the actual date should be given

1. DOCUMENTATION

1.1 FIRE CONTROL PLANS (Ch.II.2. Reg.4)

To be in the national language. If the language is neither English nor French a translation into one of those languages to be included.

1.1.1 Up-to-date plans permanently exhibited? _____ In what language? _____

1.2 MUSTER LIST AND EMERGENCY PROCEDURES (Ch.II. Reg.25)

1.2.1 Muster list including manning of fire parties and emergency procedures in a language understood by the ship's complement and posted in several parts of the ship, particularly in the crew's quarters

1.3 NAUTICAL PUBLICATIONS (Ch.V, Reg. 20)

1.3.1 Adequate and up-to-date charts, sailing directions, lists of lights, notices to mariners, tide tables and all other nautical publications necessary for the intended voyage to the Master's satisfaction

1.4 INTERNATIONAL CODE OF SIGNALS (Ch.V, Reg.21)

1.4.1 Copy of current edition provided

2 SAFETY OF NAVIGATION

2.1 SHIPBORNE NAVIGATIONAL EQUIPMENT (Ch.V, Reg. 12 & 19)

2.1.1 GYRO COMPASS fitted in addition to the magnetic compass

2.1.2 ECHO-SOUNDING DEVICE fitted

2.1.3 AUTO-PILOT fitted

2.1.3.1 Where an automatic pilot is fitted, clear instructions are provided at the control console on changeover procedures from automatic to manual steering and vice versa

2.1.4 STEERING GEAR Simple operating instructions with a block diagram showing the change-over procedures for remote steering gear control systems and steering gear power units permanently displayed on the navigating bridge and in the steering gear compartment

2.2 NAVIGATION LIGHTS

2.2.1 APPLICATION OF THE REVISED COLLISION REGULATIONS, 1972 (Where two masthead lights are carried)

Following information may be provided from plans if available :-

2.2.1.1 Horizontal distance in metres 1. Foremast light above top of stem
2. Between foremast and mainmast lights

2.2.1.2 Vertical height in metres above waterline in lightest ballast condition :-
1. Foremast light 2 Mainmast light

2.2.1.3 Vertical height in metres above uppermost continuous deck :-
1. Sidelights 2 Foremast light 3. Mainmast light

2. SAFETY OF NAVIGATION (Contd)

2.3 NAVIGATION LIGHTS (Revised Collision Regs 1972)

	Light	Oil	Elec.	Miles Range	Duplex Type
231	Fore Masthead				
232	Main Masthead †				
233	Port side				
234	Starboard side				
235	Stem				
236	Towing				
237	Anchor (1)				
238	Anchor (2) †				
239	NUC (1)				
2310	NUC (2)				

23.11. Sidelights fitted with inboard screens painted matt black

† not required on ships less than 50m overall length

2.4 SIGNALLING APPARATUS (Ch.V, Reg.11 and Revised Collision Regs 1972)

	Apparatus	Nb.	Description	Location
2.4.1	Daylight signalling lamp and source of power			
2.4.2	Forecastle Bell			
2.4.3	Gong			
2.4.4	Ships Whistle			
2.4.5	3 black ball shapes			
2.4.6	1 black diamond shape			

3. LIFE-SAVING APPLIANCES

3.1 ROCKETS AND SIGNALS (Ch.III, Reg.23,24)

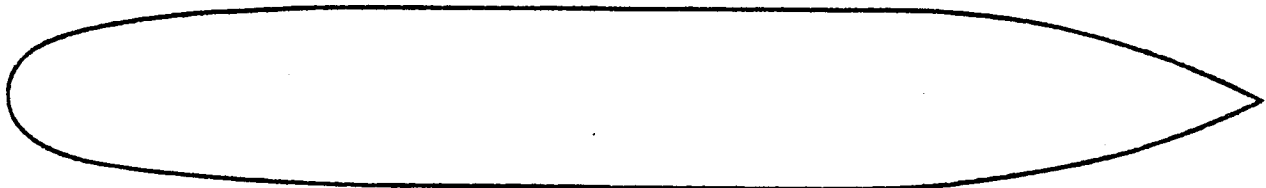
		Make	Location
3.1.1	Line throwing appliance with 4 rockets and lines		
3.1.2	12 parachute distress signals		

3.2 PORTABLE RADIO APPARATUS FOR SURVIVAL CRAFT (Ch.III, Reg.13)

		Make, type and serial No.	Where located
3.2.1	Set 1		
3.2.2	Set 2		
3.2.3	Set 3		

3. LIFE- SAVING APPLIANCES (Contd.)

3.3 Indicate superstructures and positions of lifeboats and liferafts. Indicate M or MP boats. Lifeboats numbered from forward, odd numbers starboard, even numbers port.



3.4 LIFEBOATS (Ch.III, Reg. 5, 6, 7, 8, 9, 10, 35)

		No.1 (s.s.f)	No.2 (p.s.t)	No.3 (s.s.a)	No.4 (p.s.a)
3.4.1	Capacity (No. of persons)				
3.4.2	Dims (m/ft)	Length			
		Breadth			
		Depth			
3.4.5	Type and Material				
3.4.6	Cub Capacity (m ³ /ft ³)				
3.4.7	Manufacturer				
3.4.8	Approved by				

3.5 LIFEBOAT EQUIPMENT (Ch.III, Reg: 11, 12)

Each lifeboat is equipped as follows:

	BOAT NUMBER			
	1	2	3	4
3.5.1	Number of persons the boat is certified to carry			
3.5.2	Indicate boats motor (M) or mech. propelled (MP)			
3.5.3	Number of rowing thwarts			
3.5.4	ROWING OAR 1 to each rowing thwart (Half for M and MP boats, four minimum)			
3.5.5	ROWING CARS, 2 spare (not required for M and MP boats)			
3.5.6	STEERING OAR, 1 with white painted blade			
3.5.7	CRUTCHES or equivalent (2 for each rowing thwart plus 50% spares)			
3.5.8	PLUGS (2 for each plug hole with chain attachment) or			
3.5.9	AUTOMATIC VALVES in lieu			
3.5.10	RUDDER (attached) WITH TILLER			
3.5.11	LIFELINE decked around outside of boat			
3.5.12	BILGE KEEL OR RAILS (p & s)			
3.5.13	GRABLINES from deck to ground (2 minimum)			

LIFESCAT EQUIPMENT (Contd.)

	BOAT NUMBER			
	1	2	3	4
3.5.14	BILGE PUMP manually operated (1)			
3.5.15	LOCKER for small items of equipment			
3.5.16	PAINTERS, 1 secured to stem, 1 secured forward with strap and toggle			
3.5.17	LIGHT BUOYANT HEAVING LINES (2)			
3.5.18	BOAT HOOK (2 for M and MP boats)			
3.5.19	MAST with galvd. wire stays and orange sails (Not required for M and MP boats)			
3.5.20	COVER, highly visible for protecting occupants			
3.5.21	FOOD RATION per person, of approved type in airtight receptacles stowed in watertight containers			
3.5.22	FRESH WATER, 3 litres or 6 pints per person in watertight receptacles			
3.5.23	PARACHUTE SIGNALS, red (4)			
3.5.24	HAND FLARES, red (6)			
3.5.25	BUOYANT SMOKE SIGNALS, orange (2)			
3.5.26	SALER with lanyard (1)			
3.5.27	BUCKETS with lanyards (2)			
3.5.28	HATCHETS with lanyards, (2) one at each end of boat			
3.5.29	LAMP WITH SUFFICIENT OIL FOR 12 HOURS (1)			
3.5.30	MATCHES IN WATERTIGHT CONTAINER (2)			
3.5.31	COMPASS IN BINNACLE, efficiently luminised or illuminated.			
3.5.32	SEA ANCHOR (1)			
3.5.33	STDRM OIL, 4½ litres (1 gallon)			
3.5.34	STORM OIL CONTAINER for attaching to sea anchor			
3.5.35	DIPPER, rustproof with lanyard (1)			
3.5.36	GRADUATED DRINKING VESSEL, rustproof (1)			
3.5.37	FIRST-AID OUTFIT, approved type in watertight case (1)			
3.5.38	ELECTRIC TUBCH, waterproof, suitable for Morse Code signalling (1) with spare set batteries and spare bulb in waterproof container			
3.5.39	DAYLIGHT SIGNALLING MIRROR (1)			
3.5.40	JACK-KNIFE with fin opener (1) attached to boat with lanyard			
3.5.41	WHISTLE or equivalent sound signal (1)			
3.5.42	FISHING TACKLE (1 set)			
3.5.43	LIFE-SAVING SIGNALS, illustrated table (1)			

3.5 LIFEBEAT EQUIPMENT (Contd.)

		LIFEBEAT NUMBER			
		1	2	3	4
3.5.41	SHORT LADDER or other means for climbing into upright boat from water				
3.5.45	SKATES to facilitate launching against adverse list (Ch III Reg 35g)				
3.5.46	BOWING TACKLES to hold boat against ship side (Ch III Reg 35h)				
3.5.47	MOTOR LIFEBEATS: ENGINE TYPE, petrol driven (P) or diesel (D)				
3.5.48	B.H.P. of ENGINE				
3.5.49	SPEED AHEAD in smooth water fully loaded, knots				
3.5.50	FUEL CAPACITY sufficient for 24hrs running, ltrs/galls				
3.5.51	FIRE EXTINGUISHER, portable, suitable for oil fires				
3.5.52	MARKING OF BOATS: Dimensions and number of persons it is permitted to carry permanently marked thereon				
3.5.53	Name and port of registry of the ship to which lifeboat belongs painted on each side of the bow				

3.6 DAVITS AND WINCHES (Ch III, Reg. 35)

3.6.1	Davits	Maker and Type	S.W.L.
3.6.2	Winches	Maker and Serial No.	S.W.L.
3.6.3	Falls	Rope or wire:	Length and Size
3.6.4		Construction:	Breaking Load:

3.7 LAUNCHING AND EMBARKATION ARRANGEMENTS (Ch III, Reg 19, 36, 38)

3.7.1	Means of lowering lifeboats	
3.7.2	Means of releasing lower fall blocks from lifting hooks	
3.7.3	Means of preventing discharge of water into lifeboats	
3.7.4	Stowage and launching positions provided with adequate lighting	<input type="checkbox"/> Also supplied by energy source or power <input type="checkbox"/>
3.7.5	At least two lifelines fitted to davit spans _____	<input type="checkbox"/>
3.7.6	Embarkation ladder at each set of davits _____	<input type="checkbox"/> Also at liferafts stowed clear of liferafts <input type="checkbox"/>
3.7.7	Type of warning system for abandoning ship	

3.8 LIFERAFTS excluding any liferafts stowed forward (Ch III, Reg 15 to 35)

No.	Description	Makers Name and Serial No.	No. of persons	Location	Mfr DATE

- 3.8.1 Each inflatable liferaft, if lashed, fitted with an automatic release system
- 3.8.2 Each rigid liferaft so stowed as to float free in the event of the ship sinking

3.8.3 LIFERAFT FORWARD (Ch. III, Reg. 35(c))

Description	Makers Name and Serial No.	No. of pers (C/min)	Location	Mfr. Date

3.8.4 The liferaft forward may be securely fastened

MARKING OF LIFERAFTS (Ch. III, Reg. 20)

3.8.5 Each inflatable liferaft container with the number of persons the raft is certified to carry

3.8.6 Each rigid liferaft with the name and port of registry of the ship and number of persons the raft is certified to carry

3.9 RIGID LIFERAFT EQUIPMENT (Ch. II, Reg. 17)

Each rigid liferaft is equipped as follows:

	RAFT NUMBER			
	1	2	3	4
3.9.1 Number of persons the liferaft is certified to carry				
3.9.2 PAINTER attached (1)				
3.9.3 LIFELINE becketed around outside of raft				
3.9.4 LIFELINE around inside of raft				
3.9.5 SEA ANCHORS (1 permanently attached and one spare)				
3.9.6 BUOYANT BATTERY LIGHT attached by lanyard (1)				
3.9.7 FOOD RATION for each person				
3.9.8 FRESH WATER in watertight receptacles (1/2 litres or 3 pints per person)				
3.9.9 ANTI-SEASICKNESS TABLETS, 6 per person.				
3.9.10 PADDLES (2)				
3.9.11 FIRST AID OUTFIT, approved type in waterproof case (1)				
3.9.12 PARACHUTE SIGNALS, red (2)				
3.9.13 HAND FLARES, red (6)				
3.9.14 BUOYANT RESCUE QUOT with 30m (100ft) buoyant line attached (1)				
3.9.15 KNIFE } 1 each for rafts carrying less than 13 persons {				
3.9.16 BALER } 2 more than 12 persons {				
3.9.17 SPUNGES (2)				
3.9.18 REPAIR OUTFIT for repairing punctures in buoyancy compartments (1)				
3.9.19 TIN OPENERS (3)				
3.9.20 GRADUATED DRINKING VESSEL, rustproof (1)				
3.9.21 ELECTRIC TORCH, waterproof, suitable for Morse Code signalling (1) with spare set batteries and spare bulb in waterproof case				

3.9 RIGID LIFERAFT EQUIPMENT (Contd.)

	RAFT NUMBER			
	1	2	3	4
3.9.22 DAYLIGHT SIGNALLING MIRROR (1)				
3.9.23 SIGNALLING WHISTLE (1)				
3.9.24 FISHING TACKLE (1 set)				
3.9.25 SURVIVAL INSTRUCTIONS				
3.9.26 LIFE- <u>SAVING</u> SIGNALS, illustrated table (1)				

3.10 OTHER LIFE-SAVING APPLIANCES (Ch.III, Reg. 21.22.37)

	No.	Description	Location
3.10.1		Lifejackets with whistle attached	
3.10.2		Additional lifejackets for children	
3.10.3		* Lifebuoys with lights and smoke signals and capable of quick release from bridge	
3.10.4		* Lifebuoys with self igniting lights only	
3.10.5		* Lifebuoys with 27.5 m (15 fms) buoyant lifeline	
3.10.6		* Lifebuoys without attachments	

* Note: Total 8 minimum, 4 lights, 2 smoke signals and 2 lines

3.11 PILOT LADDER (Ch.V, Reg.17)

3.11.1 Ladder provided for the safe embarkation and disembarkation of pilots with provision for adequate overside lighting at night Bulwark ladders provided

3 MECHANICAL PILOT HOIST (Ch.V, Reg.17)

3.12.1 If provided Make _____ Source of power _____ No. of falls _____

3.12.2 Approved by :

4 FIRE APPLIANCES IN SPACES CONTAINING MAIN AND AUXILIARY MACHINERY AND BOILERS

4.0.1 Type of Propelling Machinery

4.0.2 Main Boilers - number and type

Total number of burners

4.0.3 Aux. Boilers - number and type

Total number of burners

4.0.4 Total kW of internal combustion machinery used for (a) main propulsion (b) auxiliary purposes

4.0.5 Engine and boiler rooms separate combined

4.1 PUMPS, HYDRANTS, HOSES AND EXTINGUISHERS (Ch II-2, Reg. 5.52)

4.1.1 The number and position of hydrants is such that at least two jets of water, not emanating from the same hydrant, one of which is from a single length of hose may reach any part of the main and auxiliary machinery and boiler spaces while the ship is being navigated

4 PUMPS, HYDRANTS, HOSES AND EXTINGUISHERS (cont'd)

4.1.2	Fire Pumps (excluding Emergency fire pump)	Number and location			Capacity	Type of Prime Mover
4.1.3	Emergency Fire Pump					
4.1.4	Hydrants Number and Dia.	Engine Room	Boiler Room	Tunnel	Type of Coupling	
4.1.5	Hoses. No., Dia. Length and Material				Type of Nozzle	

4.1.6 In each firing space, either (a) sand in box with scoop or (b) an approved portable extinguisher

	Location	No.	Capacity	Type	Approved by	Spare charge
4.1.7	Portable Extinguishers in Eng., Blr & Pump Rms.					
4.1.8	Non-Portable Extinguishers					

4.2 FIXED FIRE-EXTINGUISHING INSTALLATION (Ch.2-II, Reg 52)

4.2.1	Type of fixed fire-extinguishing fitted		
	(a) Engine Room	(b) Boiler Room	(c) Pump Room

4.2.2 CO₂ Bottles (Ch.2-II, Reg 8)

No.	Capacity each	Location Bottle Storage Room	Location Control Valves	Type of Audible Warning

4.2.3 Halon System (Ch.2-II, Reg 8)

4.2.3.1	Storage vessels		Location			Type of Audible Warning
	No.	Capacity each	Storage vessels	Release mechanism	Alarm Panel (where applicable)	
4.2.3.2	Type of propellant gas				System approved by	

4.2.4 FIXED FOAM FIRE-EXTINGUISHING SYSTEM IN MACHINERY SPACES (Ch II-2, Reg. 9.10)

4.2.4.1	Foam characteristics	Type	Quantity	Make
4.2.4.2	Foam solution	Ratio of concentration	Supply rate	Expansion ratio
4.2.4.3	Pump serving system	Location	Capacity	
4.2.4.4	Location of controls	System approved by		

4.2.5 FIXED PRESSURE WATER-SPRAYING FIRE-EXTINGUISHING SYSTEM IN MCHY SPACES (Ch II-2, Reg. 11)

4.2.5.1	Pump serving system	Location	Capacity
4.2.5.2	Charge pressure	Nozzles - Type	Make
4.2.5.3	Spaces protected		
4.2.5.4	Location of controls	System approved by	

4.2.6 SPECIAL ARRANGEMENTS IN MACHINERY SPACES (Ch II-2, Reg. 54)

Means for stopping machinery and shutting off O.F. Suction Pipes		The following require to be closed from outside the space concerned
Vent. fans I.D. fans F.D. fans O.F. trans. pump O.F. valves O.F. tank valves	Means and Location	
		Ventilators <input type="checkbox"/> Funnel cruder spaces <input type="checkbox"/> Skylights <input type="checkbox"/> Doorways <input type="checkbox"/> Tunnel door <input type="checkbox"/>

5. FIRE APPLIANCES IN CARGO SPACES AND ON CARGO TANK DECK AREA

SHIPS OTHER THAN TANKERS, COMBINATION CARRIERS, CHEMICAL CARRIERS & GAS CARRIERS

5.1.1 Type of fire-extinguishing system in cargo spaces :- (Ch. 2-II, Reg. 52(f))

5.1.2 CO₂ Bottles (Ch. 2-II, Reg. 8)

Total CO ₂ capacity required	Mt.	Capacity each	Location Above Storage Room	Location Control Valves

5.1.3 If no extinguishing system is fitted, both the following must apply :-

5.1.4 (a) Hatch covers of steel and effective means provided for closing all ventilators and other openings leading to holds

5.1.5 (b) the ship is constructed and intended solely for carrying such cargoes as ore, coal or grain.

5.1.6 Ventilators fans can be stopped and doorways, ventilators and all other openings to cargo spaces can be closed from outside the space concerned

5.2 TANKERS, COMBINATION CARRIERS, CHEMICAL CARRIERS AND GAS CARRIERS

5.2.1 Deadweight metric tons Type of cargo F.P. not exceeding 60°C
 5.2.2 CARGO TANK PROTECTION (Ch.2-II, Reg.60) F.P. exceeding 60°C

5.2.3 FIXED SYSTEM INSTALLED

5.2.3.1		Inert Gas			
5.2.3.2	Tanks internally	Foam		Tanks externally	Foam
5.2.3.3					

5.2.4 INERT GAS SYSTEM (Ch.2-II, Reg.62)

5.2.4.1 Type of system	Approved by	Instruction manual provided
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5.2.5 FIXED FOAM SYSTEM TO TANKS INTERNALLY (Ch.II-2, Reg.61)

5.2.5.1	Foam characteristics	Type	Quantity	Make
5.2.5.2	Foam solution	Ratio of concentration	Supply rate	Expansion ratio
5.2.5.3	Pumps serving system		System approved by	

5.2.6 FIXED DECK FOAM SYSTEM

5.2.6.1	Foam characteristics	Type	Quantity	Make
5.2.6.2	Foam solution	Ratio of concentration	Supply rate	Expansion ratio
5.2.6.3	Means of supply	Monitors	Number	Type
5.2.6.4		Applicators	Hydrants	Hoses
5.2.6.5	Pumps serving system		System approved by	

6 OTHER FIRE APPLIANCES

6.1 FIREMAN'S OUTFIT (Ch.II-2, Reg. 14.52)
 At least two stowed in widely separated positions

No.	Location of each outfit	No.	Location of each outfit

6.1.1 Each fireman's outfit is consist of :-

Protective clothing of material to protect the skin from heat radiating from a fire and from burns and scalding by steam. Outer surface to be water-resistant	An approved electric safety lamp (hand lantern) with a minimum burning period of 3 hours
Boots and gloves of rubber or other electrically non-conducting material	An axe
A rigid helmet providing effective protection against impact	An approved breathing apparatus with lifeline

OTHER FIRE APPLIANCES (Contd.)

6.1.2 Self-contained breathing apparatus

No.	Make	Functioning period (mins)	Free air storage capacity (litres)	Spare cylinders	Approved by

6.1.3 Smoke helmet or smoke mask with air pump and hose

No.	Make	Approved by

6.2 HYDRANTS, HOSES, EXTINGUISHERS AND SHORE CONNECTION (Ch. II-2, Reg. 52)

6.2.1	Hydrants	Location	Number	Diameter	Type of Coupling		
					Length	Material	Nozzle
6.2.2	Hoses with nozzle for each						
6.2.3	International Shore Connection			Are facilities available enabling the connection to be used on either side of the ship?			
6.2.4	Portable Extinguishers			Capacity	Type	Approved by	Spare charges

6.2.5 The number and position of hydrants is such that :-

a) at least two jets of water, not emanating from the same hydrant, one of which is from a single length of hose, may reach any part of the ship normally accessible to passengers or crew while the ship is being navigated.

b) at least two jets of water can reach any part of any cargo space when empty



6.2.6 Diameter of firemain

7 Particulars of any special features or additional information

The information contained in this record is a correct description of the Safety Equipment on board

Port _____

Date _____

Surveyor(s)

