

HULL INSPECTION BOOK

Name of Vessel							
Official Number				Cla	SS		
Date Completed			Loc	catio	on		
Ves	sel Built in C	omp	liance with S	OLA	S:	60	74 74/78 N/A
Rou	te						
	Oceans		Limited Coas	stwis	е		Lakes / Bays / Sounds
	Coastwise		Great Lakes				Rivers
Insp	ection Type						
	Inspection for	Cert	ification	☐ Reinspection			
(0	COI)			О	Mid	l-Peri	iod
				О	Oth	er	
				О	Fire	st)
				О	Sec	cond	Passenger vessels only
				О	Thi	rd	J
Insp	ectors						
1				3			
2				4			

Total Time Spent Per Activity:

Regular Personnel (Active Duty)						
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI			

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS

Reserve Personnel						
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI			

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS

Auxiliary Resources				
TOTAL BOAT HOURS	TOTAL AIRCRAFT HOURS			

Conversions:

Conversi	<u>0113</u> .						
Distance and Energy							
Kilowatts (kW	/)	Х	1.341	=	Horsepower	(hp)	
Feet (ft)		Χ	3.281	=	Meters (m)		
Long Ton (LT		Х	.98421	=	Metric Ton (t)	
Liquid (N	Liquid (NOTE: Values are approximate.)						
Liquid		bbl/LT		m³/t	bbl/m³		bbl/t
Freshwater		6.40		1.00	6.29		6.29
Saltwater		6.24		.975	6.13		5.98
Heavy Oil		6.77		1.06	6.66		7.06
DFM		6.60		1.19	7.48		8.91
Lube Oil		7.66		1.20	7.54		9.05
Weight							
1 Long Ton	= 2240	bs	1 Metric Ton		= 2204 lb	s	
1 Short Ton	= 2000 l	bs	1 Cubic Foot		= 7.48 ga	al	
1 Barrel (oil)	= 5.61 ft 6.29 m	= 42 gal =	1 psi			= .06895 Bar = 2.3106 ft of water	
Temperat	u re : Fahre	nheit = Ce	elsius	(°F = 9/5 °C	+ 32 and °C	= 5/9	(°F – 32))
0 =	-17.8	80	=	26.7	200	=	93.3
32 =	0	90	=	32.2	250	=	121.1
40 =	4.4	100	=	37.8	300	=	148.9
50 =	10.0	110	=	43.3	400	=	204.4
60 =	15.6	120	=	48.9	500	=	260
70 =	21.1	150	=	65.6	1000	=	537.8
Pressure:	Bars = Po	unds per s	square	e inch			
1 Bar =	14.5 psi	5 Bars	=	72.5 psi	9 Bars	=	130.5 psi
2 bars =	29.0 psi	6 Bars	=	87.0 psi	10 Bars	=	145.0 psi
3 Bars =	43.5 psi	7 Bars	=	101.5 psi			
4 Bars =	58.0 psi	8 Bars	=	116.0 psi			

Notes:	

Use of Hull Inspection Book:

This inspection book is intended to be used as a job aid by Coast Guard marine inspectors during hull inspections of U.S. flagged vessels. The lists contained within this book are not intended to limit the inspection. Each marine inspector should determine the depth of inspection necessary. A checked box should be a running record of what has been inspected. It does not imply that the entire system has been inspected or that all or any items are in full compliance. This job aid does not constitute part of the official inspection record.

This document does not establish or change Federal laws or regulations. References given are only general guides. Refer to IMO publications, CFRs, NVICs, or any locally produced cite guides for specific regulatory references. Not all items in this book are applicable to all vessels.

NOTE: Guidance on how to conduct hull inspections of U.S. flagged vessels can be found in the Marine Safety Manual (MSM) Volume II, Chapter B1: Inspection of Vessels for Certification. All MSM cites listed in this book refer to MSM Volume II unless otherwise indicated.

Pre-inspection Items:

Post-inspection Items:

- Review MSIS records.
 - MIPIP
 - MICOI
- Obtain copies of forms to be issued.
- Issue letters/certificates to vessel.
- Complete MSIS entries.
 - MIAR
 - MSDS
 - MIDR
 - VFLD
 - VFID
- Initiate Report of Violation (ROV) if necessary

Table of Contents

Section 1: Administrative Items	
IMO Applicability Dates	
Involved Parties & General Information	
Vessel Information	
Vessel Description	
Section 2: Certificates and Documents	
Certificates	4
Logs and Manuals	
Pollution Prevention Records	
Section 3: Inspection Items	
Navigation Equipment	g
General Health and Safety	11
Structural Integrity	12
Integral Cargo Tanks	14
Ground Tackle	16
Lifesaving Equipment	16
Fire Protection	22
Pollution Prevention	24
Section 4: Drills	
Fire Drill	26
Abandon Ship Drill	27
Section 5: Appendices	
Recommended US Vessel Deficiency Procedures	28
Deficiency Summary Worksheet	
Notes	
Conversions	34

Notes:			
-			
_			
-			

Notes:			
·			
-			
-			
-			
-			
-			
_			
-			
-			

Section 1: Administrative Items

IMO Applicability Dates:

Reference	Date
SOLAS 1960	26 MAY 65
SOLAS 1974	25 MAY 80
1978 Protocol to SOLAS 1974	01 MAY 81
1981 Amendments (II-1 & II-2)	01 SEP 84
1983 Amendments (III)	01 JUL 86
Various additional amendments to SOLAS	
MARPOL 73/78 Annex I	02 OCT 83
MARPOL 73/78 Annex II	06 APR 87
MARPOL 73/78 Annex III	01 JUL 92
MARPOL 73/78 Annex V	31 DEC 88
IBC Code	After 01 JUL 86
BCH Code	Prior to 01 JUL 86
COLREGS 1972	15 JUL 77
Various additional amendments to COLREGS	
Load Line 1966	21 JUL 68
STCW 1978	28 APR 84
1991 Amendments	01 DEC 92
1994 Amendments	01 JAN 96
1995 Amendments	01 FEB 97

Involved Parties & General Information:

Vessel's Representatives
Phone Numbers
Owner—Listed on DOC (if applicable), or COFR
□ No Change
Operator
□ No Change

Notes:			
-			
-			
-			
•			
-			
-			

Deficiency	MSIS Code	Req't. Issued/ Date Completed
	- ———— - ————	
	- 	

Deficiencies identified should be listed with MSIS codes. At completion of inspection/examination, any outstanding deficiencies shall be entered in MIDR or PSDR as appropriate. All deficiencies found (outstanding and completed) shall be entered in the Deficiency Summary. Worklist items, which serve only as memory joggers to complete inspection/examination (e.g., test emergency fire pump), should not be coded as deficiencies.

MSIS Codes for Deficiencies:

BS	Ballast	DC	Dry Cargo	IC	I/C Engine
ВІ	Bilge	ES	Electrical	LS	Lifesaving
ВА	Boiler, Aux.	FF	Firefighting	MI	Miscellaneous
ВМ	Boiler, Main	FL	Fuel	NS	Navigation
cs	Cargo	GS	General Safety	PP	Propulsion
DM	Deck Machinery	НА	Habitation	SS	Steering
DL	Doc., Lics., Pmts.	HU	Hull		

Vessel Information:

Classification Society		
ISM Issuer: Same as above?		
☐ Yes ☐ No If not the sa Recognized Or	•	
NOTE: The period of validity for ISM doc If they do NOT, ISM documents should b		to the following list.
☐ 5 years = Full term (SMS and DOC)) \Box 12 months = Inte	erim (DOC)
☐ 6 months = Interim (SMC)	☐ 5 months = Shor	t term (SMC)
Gross Tons		□ No Change (VFMD)
Net Tons		□ No Change (VFMD)
Built Date (use delivery date)		□ No Change (VFCD)
Overall Length (in feet)		□ No Change (VFMD)
Vessel Description:		
☐ Container Vessel	Passenger Ve	essel
□ Vehicle Carrier	☐ Research Ves	ssel
■ Bulk Carrier	□ School Ship	
	Other	

Section 2: Certificates and Documents

Name of Certificate	Issuing Agency	# QI	Port Issued	Issue Date	Exp. Date	Endorse Date
Certificate of Documentation ☐ No Change	nsce					
Classification Document ☐ No Change						
Certificate of Financial Responsibility (COFR) □ No Change	nsce					
Safety Construction (SLC) ☐ No Change						
Safety Equipment (SLE) ☐ No Change	nsce					
Safety Radio (SLT) ☐ No Change						

Deficiency Summary Worksheet:

Name of Vessel	VIN	
Deficiency	MSIS Code	Req't. Issued / Date Completed

Section 5: Appendices

Recommended U.S. Vessel Deficiency Procedures:

Step	Action	
1	Identify deficiency.	
2	Inform vessel representative.	
3	Record on the Deficiency Summary Worksheet (next page).	
4	If deficiency is corrected prior to end of inspection, go to Step 7	7 .
5	If deficiency is unable to be corrected prior to end of inspection issue CG-835 in accordance with table below.	,
	IF deficiency: THEN issue CG-835:	
	Does NOT immediately impact crew/passenger safety, hull seaworthiness, or the environment, e.g., • Missing placards • Non-metallic expansion joints more than 10 years in service That provides a specific time for correcting deficiency, e.g., • "X" number of days • At next drydock	
	Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g., • Expired international certificates • Automation defect • Insufficient lifesaving equipment That restricts operation of vessel to meet current vessel conditions, e.g., • Reduced route • Increased crew • Fewer passengers	
	DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g., • Missing or defective firefighting equipment • Structural defect or damage	
6	Enter CG-835 data in MIDR.	
7	Enter deficiency data in MSDS.	
8	Initiate Report of Violation (ROV) if necessary.	

28

Name of Certificate	Issuing Agency	# Q	Port Issued	Issue Date	Exp. Date	Endorse Date
Passenger Ship Safety (PSS) ☐ No Change						
International Load Line (ILL) ☐ No Change						
International Oil Pollution Prevention (IOPP) ☐ No Change						
International Tonnage (ITC) ☐ No Change						
Safety Management (SMC) ☐ No Change						
Document of Compliance (DOC) ☐ No Change						

Certificates: ☐ ISM Code SOLAS 74/78 IX/3 Safety Management System • Shipboard Operations Plan 46 CFR 78.12-1 Stability letter posted in pilothouse 46 CFR 97.11-1 ICLL Reg. 10(2) Annual drug and alcohol program audit 46 CFR Part 16 Officers' licenses current **GMDSS** endorsement 47 CFR Part 80 ☐ FCC Station License ☐ Safety Radio Certificate ☐ GMDSS maintenance personnel 47 CFR 80.1074 ☐ 1st Class Radiotelegraph Operator's Certificate ☐ 2nd Class Radiotelegraph Operator's Certificate ☐ 3rd Class Radiotelegraph Operator's Certificate ■ Required international safety convention certificates posted and valid Liferaft servicing certificates 46 CFR 160.151-57(p) SOLAS 74/78 III/19.8 Annual service □ Cargo Gear Certificate 46 CFR 91.37-75 Notes:

□ Abandon Ship Drill:

General alarms/signals	Familiarity with duties	Boat release
Muster lists	Provide equipment	Boat operation
Muster of crew/passengers	Familiarity with equipment	Egress procedures
Crew response	Lower lifeboat	Davit-launched liferaft drill
Language understood by crew	Brake operation	Communication w/ bridge
Lifejackets	Engine start	Lighting
(SOLAS 74/78 III/18.3; MSM Vo	ol. II/C5.C.7.h)	
Location:	Tim	e to Water:
Notes:		_
		_

Section 4: Drills

□ <u>Fire Drill</u> :		
Initial notifications	Familiarity with duties	Space isolation
General alarms/signals	Familiarity with equipment	Smoke control
Crew response	Fire pumps started	Arrange care of passengers
Properly dressed/equipped	Two jets of water	Communications w/ bridge
Language understood by crew	Fire doors and dampers	
(SOLAS 74/78 III/18.3; MSM Vo	I. II/D5.C.7.i; NVIC 6-91)	
Location:		Time on Scene:
Notes:		

Logs and Manuals:

	Periodic checks as required Visual inspection of survival craft/rescue boat and launching appliances Operation of lifeboat/rescue boat engines Lifesaving appliances, including lifeboat equipment examined	46 CFR 199.190(e) SOLAS 74/78 III/19
	Emergency training and drills Onboard training in use of lifesaving equipment (all crew members) SOLAS training manual	SOLAS 74/78 III/18
	Logbook recordsFire and lifeboat drillsGeneral alarm tested	46 CFR 199.180 SOLAS 74/78 III/18.5 SOLAS 74/78 III/25
	 Pre-arrival tests conducted Casualties (navigation equipment and steering gear failures reported) 	SOLAS 74/78 V/19 STCW 95 I/14 33 CFR 164.25 33 CFR 164.53
	Steering gear drillsEmergency steering drills	46 CFR 97.35
	Stability information	46 CFR 78.17-20 46 CFR 97.15-5 SOLAS 74/78 II-1/22.1
	Information available to master (as required) • Loading manual • Trim and stability book	46 CFR 78.17-22 46 CFR 97.12-1
Po	Ilution Prevention Records:	
□ No	Oil record book (Part 1) Each operation signed by person-in-charge Each complete page signed by master Book maintained for 3 years	MARPOL Ax. I/20 33 CFR 151.25

	 Shipboard oil pollution emergency plan Approved by Coast Guard / class society Contact numbers correct Immediate Actions List 	MARPOL Ax. I/26.1 33 CFR 151.26		Cargo oil containmentSizeDrainsScupper closures	33 CFR 155.310
	Vessel response plan (vessels carrying oil as secondary cargo) • Approved by Coast Guard • Annual review by owner / operator Oil transfer procedures	33 CFR 155.1030 33 CFR 155.1045 33 CFR 155.1065 33 CFR 155.1070 33 CFR 155.720		Fuel oil containment Portable Fixed Prohibited oil spaces	33 CFR 155.320 33 CFR 155.470
_	Posted	33 CFK 135.720		Emergency shutdown	33 CFR 155.780
	List of products carried by vessel			Deck lighting	33 CFR 155.790
	 Description of transfer system including a line diagram of piping Number of persons required on duty Duties by title of each person Means of communication Procedures to top off tanks Procedures to report oil discharges 			Oil transfer hose	33 CFR 155.800 33 CFR 155.320 33 CFR 151.63 MARPOL Ax. V/3
No	tes:			es:	
			-		
			-		

☐ Passenger vessels: structural fire protection 46 CFR 72.0		46 CFR 72.05	Section 3: Inspection Items
	Draft stops	SOLAS 74/78 II-2/23	Navigation Equipment:
	 Fire dampers Bulkheads Insulation Ventilation Penetrations 		 Navigation publications (as applicable) Current and corrected charts U.S. Coast Pilot Great Lakes Pilot Sailing directions
	Cargo and miscellaneous vessels: structural fire protection Bulkheads Insulation	46 CFR 92.07 SOLAS 74/78 II-2/42	 Coast Guard Light List Notice to mariners Tide tables Tidal current tables
	Fire doors and controls testedMachinery space and stair towers	46 CFR 72.05-25 46 CFR 92.07-10 SOLAS 74/78 II-2/46	 International Rules of the Road Inland Rules of the Road
	Not tied or blocked openInstalled closure devices working	SOLAS 74/78 II-2/47	 □ Operationally test radar(s) and ARPA 33 CFR 164.35 33 CFR 164.37 33 CFR 164.37 33 CFR 164.37 33 CFR 164.38
	Remote controls to power ventilation marked and tested	46 CFR 111.103-1	 Operate independently ARPA acquires targets
	Closures for spaces protected by fixed smothering systems	46 CFR 76.15-35 46 CFR 95.15-35	 ☐ Compasses ☐ Illuminated gyrocompass with repeater at stand 33 CFR 164.35 SOLAS 74/78 V/12
	International shore connection	46 CFR 76.10-10(c) 46 CFR 95.10-10(c) SOLAS 74/78 II-2/19	 Illuminated magnetic compass Current deviation table Test electronic depth sounding device and recorder 33 CFR 164.35 SOLAS 74/78 V/12
Po	Ilution Prevention:		Accurate readout
	Pollution placard posted	33 CFR 155.450	 Test all transducers Continuous recorder (chart)
	MARPOL V placard posted Person-in-charge designation	33 CFR 151.59 33 CFR 155.700	☐ Speed and distance indicator 33 CFR 164.40 SOLAS 74/78 V/12
	3	60 G. K. 166.166	□ Propulsion shaft tachometer SOLAS 74/78 V/12
Not	es:		Notes:

 Radios, RDF, Loran Electronic position fixing device tested GMDSS meets requirements for vessel operating area Internal communications and control system EOT failure alarms Telephones Voice tubes Emergency loudspeaker system Bell pulls Pilothouse controls
 Electronic position fixing device tested GMDSS meets requirements for vessel operating area Internal communications and control system EOT failure alarms Telephones Voice tubes Emergency loudspeaker system Public address system Bell pulls
area Internal communications and control system 46 CFR 113.30 EOT failure alarms 46 CFR 113.35 Telephones Voice tubes Emergency loudspeaker system Public address system Bell pulls
 EOT failure alarms 46 CFR 113.35 Telephones Voice tubes Emergency loudspeaker system Public address system Bell pulls
 Telephones Voice tubes Emergency loudspeaker system Public address system Bell pulls
 Voice tubes Emergency loudspeaker system Public address system Bell pulls
 Emergency loudspeaker system Public address system Bell pulls
 Public address system Bell pulls
Bell pulls
Pilotriouse controls
☐ Navigation lights and signals 72 COLREGS
Control panels
Running lights And health of the second of the secon
Anchor lightsSpecial day and night signals
Distress signals and stowage 46 CFR 199.60
Flag signals, international code
 Whistle, light, bells, gongs
 Day and night signal devices Certificate of Alternate Compliance 33 CFR 81.9
D. Ottorion and
MSM Ch. C4 F
 Main gear tested (all stations) Auxiliary gear tested (all stations)
Instructions and markings
Rudder angle indicator
• Illumination 46 CFR 113.43
AlarmsBlock diagram
☐ Maneuvering facts sheet with warning 33 CFR 164.35
statements
Notes:

	Fixed fire exting Controls, ins Alarms tests Piping Heads, distr Bottles weig Bottles hydr Flexible loop Foam tanks Sea suction Fixed syster Storage spa Sprinkler he	46 CF 46 CF 46 CF 46 CF 46 CF 46 CF 80 46 CF 80 A6 CF SOLA MSM NVIC	46 CFR 71.25-20(a)(2) 46 CFR 71.25-20(a)(3) 46 CFR 76.15 46 CFR 76.17 46 CFR 76.23 46 CFR 91.25-20(a)(2) 46 CFR 91.25-20(a)(3) 46 CFR 95.15 46 CFR 95.17 SOLAS 74/78 II-2/21 MSM Ch. C2.I.9 NVIC 6-72, Change 1 NVIC 8-73				
		m: (circle approp	oriate type)		<u> </u>		
	Low Pressure CO ₂	High Pressure CO ₂	Halon	Foam	Sprinkler		
	PumpsPipingCut-off valvesDrains				46 CFR 76.10 46 CFR 95.10 NVIC 6-72, Change 1 SOLAS 74/78 II-2/4 SOLAS 74/78 II-2/21 46 CFR 76.10-10 46 CFR 95.10-10 NVIC 6-72, Change 1 SOLAS 74/78 II-2/4 SOLAS 74/78 II-2/21		
	 Total length of a Hydrostatica Proper threa Approved ho 	ally tested to at le		46 CF MSM 46 CF	FR 76.10-10 FR 95.10-10 Ch. C2.I.6 FR 91.25-20(a)(4) FR 71.25-20(a)(4)		
Not	Notes:						

	Placard of lifesaving signals	46 CFR 97.43 SOLAS 74/78 V/16	□ EPIRB (406 MHz)	SOLAS 74/78 IV/7.1.6 46 CFR 199.510
	Pilot ladder and hoists in good condition	SOLAS 74/78 V/17	Float-free arrangementBattery date currentHydrostatic release	
	Station bill posted	46 CFR 199.80 SOLAS 74/78 III/8.3	☐ GMDSS lifeboat radios (VHF) ■ 3 if over 500 GT	SOLAS 74/78 III/6.2
Fir	e Protection Equipment:		Operable condition	
			9 GHz radar transponder (SART) SOLAS 74/78 III/6.2
_	Fire control plan	46 CFR 78.45-1	 Freight vessels > 300 GT and < 5 	500 require 1
	Permanently postedCopy permanently stored in weathertight	46 CFR 97.36-1 SOLAS 74/78 II-2/20	 Freight vessels > 500 GT and pa require 2 	•
	container outside deckhouse Patrol system		Stowed so to be rapidly placed in	survival craft or
_	•	46 CFR 78.30-10	stowed in survival craft	
	 Stations properly numbered and sealed Key clock charts 	46 CFR 78.30-15 46 CFR 95.05-1	■ NAVTEX	SOLAS 74/78 IV/7.1.4
	Fire detection systems			332.30.1.,
	Smoke/fire alarms	46 CFR 76.05-1 46 CFR 95.05-1	General Health and Safety:	
	Remote pull stations	SOLAS 74/78 II-2/13	General Health and Salety.	
	Smoke/flame/heat detectors and sensors	SOLAS 74/78 II-2/11.8 SOLAS 74/78 II-2/53 NVIC 7-80	☐ Hospital and first aid equipment	46 CFR 72.20-35 46 CFR 92.20-35
	Portable extinguishers		Operating room explosion-proof	46 CFR 111.105-37
	Serviced annually	46 CFR 76.50 46 CFR 95.50	□ Emergency lighting	46 CFR 112.43
	Bottles hydrostatically tested (every 5 years)	SOLAS 74/78 II-2/6	0 , 0 0	
	 Markings (weight and hydrostatic test date) 	SOLAS 74/78 II-2/21 MSM Ch. C2.I.3	 Protection of spaces specially su vehicles 	ited for 46 CFR 70.10-44 46 CFR 90.10-38
	Spare charges, spare extinguishers	NVIC 7-70	Gas detection systems	
	Opening and all the sections of the section of	NVIC 13-86	Electrical hazardous locations	
	Semiportable extinguishers	46 CFR 76.50 46 CFR 95.50	☐ Crew and passenger accommod	ations 46 CFR 72.20
	Serviced annually Dettles by deserting the tested (every 12 years)	SOLAS 74/78 II-2/6		46 CFR 72.20 46 CFR 72.25
	 Bottles hydrostatically tested (every 12 years) Controls, instructions, markings 	SOLAS 74/78 II-2/21	• Size	46 CFR 92.20
	Hose and diffuser	MSM Ch. C2.I.4	Lighting and wiring	
	Flexible loops tested or replaced (same as bottle)		HeatingVentilation	
	- Trouble loops tosted of replaced (same as bottle)		Sanitation	46 CFR 92.15-15
			Screens	
Not	es:		Insulation	
1400	os		Fire retardant	
			Notes:	
			Notes	

	Galley	MSM Ch. B1.N.8	 Lifefloats and buoyant apparatus 	46 CFR 199.640
	EquipmentSanitationVentilation	46 CFR 72.05-50	EquipmentStowageMarkings	
	Means of escape from accommodation, machinery, and other spaces	46 CFR 72.10 46 CFR 92.10 SOLAS 74/78 II-2/45	Line-throwing apparatusEquipmentRequired drills held	46 CFR 199.170 SOLAS 74/78 III/17.49
	 Two required (some exceptions) Dead end corridors Absence of locks 	00LA0 14/10 II 2/40	Magazine Type Lifebuoys	
	Gas freeing for repairs Current Gas Chemist Certificate for areas as required	MSM Ch. A5.H	 Lights Lines Smoke signals Stowage 	46 CFR 199.70(a) SOLAS 74/78 III/7 SOLAS 74/78 III/21 SOLAS 74/78 III/27
Stı	Date Chemist No. ructural Integrity:		 Slowage Markings Lifejackets Adult Children 	46 CFR 199.70(b) SOLAS 74/78 III/7.2.2
	Hull structure (list inaccessible compartments or areas) Decks Shell Bulkheads Tank tops Strength members	46 CFR 72.01 46 CFR 92.01 ICLL 66 Reg. 1	 Retro-reflective tape Lights Whistles Work vests Stamped passed Number of lifejackets rejected by inspector 	MSM Ch. C2.H.4
	 Side ports Side ports Air ports and dead covers Refuse chutes Hatch covers Closing devices, gaskets 	46 CFR 42.15 MSM Ch. B1.E.5 ICLL 66 Regs. 12 - 23	 □ Lifejacket stowage • Required notices and markings • Stowage lockers • Wearing instructions • Location instructions (passenger vessels) □ Stateroom notices posted 	46 CFR 199.70(b) SOLAS 74/78 III/7.2 46 CFR 199.80(c) 46 CFR 199.70(b)(2) 46 CFR 199.80(c) 46 CFR 199.217 46 CFR 199.80(c)
	Light / water test Deck openings and closures	MSM Ch. B1.E.5	☐ Immersion suits	46 CFR 199.273 SOLAS 74/78 III/21.4
	 Closing devices Gaskets Light / water test 	ICLL 66 Regs. 12 - 20	Retro-reflective material	SOLAS 74/78 III/27.3 SOLAS 74/78 III/30.2.7 MSM Ch. C2.H.5
Not	-		Notes:	

	Lifeboat winches Brakes Controls	46 CFR 199.199(i) SOLAS 74/78 III/19 MSM Ch. C2.H.6	Guards, ladders, rails, and gangways (including accommodation ladders or pilot ladders) 46 CFR 72.40 46 CFR 92.25 ICLL 66 Reg. 25
	CranksCoversLimit switches and electrical controls		☐ Elevators and escalators 46 CFR 72.05-20 46 CFR 111.91
	 Embarkation aids Ladders Access Spans and lifelines Illumination Frapping and tricing lines 	46 CFR 199.190(f) SOLAS 74/78 III/11	 □ Watertight doors in subdivision bulkhead tested by: • Local control by hand • Local control by power • Remote control by hand − Indicators
	Lifeboat weight test Light load	46 CFR 199.45(b) SOLAS 74/78 III/19 MSM Ch. B1.P	 Remote control by power Indicators □ Cargo gear examined (in absence of Cargo
	 Full load: date Liferafts Launching instructions posted 	46 CFR 199.190 SOLAS 74/78 III/19 SOLAS 74/78 III/26	Gear Certificate) • Records • Safe Working Load markings
	 Equipment and stowage Annual service dates 	MSM Ch. C2.H.3 46 CFR 199.190(g)	 Exercise valves and controls Bilge valves Overboard discharge valves Equalizing valves Emergency shutoff valves
	Hydro release service dates	46 CFR 199.190(h) MSM Ch. C2.H.3	 Scupper valves Remote control Reach rods Bilge wells, cofferdams, and suctions 46 CFR 56.50-50
		<u> </u>	D. D. Hibardan and Control
	Weak linkFloat free		D. Pining protection
	 Illumination Markings Capacities Launching devices tested 		 Removable guards (where required) Cargo hold Baggage spaces
Note	9S:	MSM Ch. C2.H.3	Notes:
			-
		_	

 Name Hailing port Official number SOLAS 74/7 Universal joints Safety latches 	-
 Net tonnage Draft marks Legible Hooks Locking knuckles Frame Motor lifeboats 	45(h)
Properly sized Properly spaced Load line marks Conform to certificate Legible Properly sized Properly spaced Engine operating test Cooling water pump Ahead and astern test Fuel tanks SOLAS 74/7 Ahead and astern test Fuel tanks Searchlight test (passenger vessels) Annual fuel changed	78 IIÌ/41
Integral Cargo Tanks: • Extinguishers serviced	
Warning notices and signals posted 46 CFR 70.05-30 46 CFR 70.05-30 46 CFR 90.05-35 Flemming gear Transmission oil	.45(b)
□ Pumps	78 III/6 1.45(b) 78 III/19 2.H.2.b 1.032 78 III/48
 Deck penetrations Heating coils Internal examination Fairleads, cleats, or cruciform bits Falls (date last renewed or end-for-ended) SOLAS 74/7 MSM Ch. C2 	78 III/48
Notes: * Items tested in conjunction with Abandon Ship Drill.	
Notes:	

Item Number	Item	International Voyage		Short International Voyage	
Number		Lifeboat	Rescue Boat	Lifeboat	Rescue Boat
29	Signal, smoke	2		2	
30	Signal, hand flare	6		6	
31	Signal, parachute flare	4		4	
32	Skates and fenders ⁸	1	1	1	1
33	Sponge ⁷		2		2
34	Survival instructions	1		1	
35	Table of lifesaving signals	1		1	
36	Thermal protective aids ⁹	10%	10%	10%	10%
37	Tool kit	1		1	
38	Tow line ¹⁰	1	1	1	1
39	Water (liters/person)	3		3	
40	Whistle	1	1	1	1

Footnotes:

- 1 Each rigid liferaft equipped for 13 persons or more must carry two of these items.
- 2 Not required for boats of self-bailing design.
- 3 Not required for inflated or rigid-inflated rescue boats.
- 4 A hatchet counts towards this requirement in rigid rescue boats.
- 5 Oars are not required on a free-fall lifeboat; a unit of oars means the number of oars specified by the boat manufacturer.
- 6 Rescue boats may substitute buoyant paddles for oars, as specified by the manufacturer.
- 7 Not required for a rigid rescue boat.
- 8 Required if specified by the boat manufacturer.
- 9 Sufficient thermal protective aids are required for at least 10% of the persons the survival craft is equipped to carry, but not less than two.
- 10 Required only if the lifeboat is also the rescue boat.

Notes:	 	 	

18

	Cargo piping		46 CFR 56.30
	Expansion joints		46 CFR 56.35
	 Controls 		
	 Supports 		
	 Hoses-drip pans 		46 CFR 56.20
	Valves		10 01 11 00.20
	Cargo tank venting		46 CFR 70.05-30
	Independent PV v		46 CFR 90.05-35
	Independent goos		
	 Flame screer 		
_	Closure device		
	Explosion-proof fixtu	ires	46 CFR 111.105
	Independent tanks, f	fixed, portable, or marine	46 CFR 98.30
	portable		
	 External examinat 	tion	
	 Date of internal ex 	xamination	
	 Date of hydrostati 	ic test	
	 Metal information 	plate	
	 Marking and label 	ling	
	 Saddles; foundation 	on and stowage	
	 Piping and valves 	S	
	 Relief valves 		
	 Lifting fittings 		
	 Securing devices 		
	 Pump and control 	ls	
	 Cargo hose 		
	 Electrical grounding 	=	
	 Firefighting require 	rements	
	 Authorized cargo 		
Not	es:		

Ground Tackle: Anchors 46 CFR 77.07 46 CFR 96.07 Tested Windlass Capstans Automatic tensioning device ☐ Mooring, standing and running gear (other than 46 CFR 91.37-70 gear covered by Cargo Gear Certificate) **Lifesaving Equipment:** NOTE: Exemptions and alternatives for vessels not subject to SOLAS can be found in 46 CFR 199.600. □ General alarms 46 CFR 113.25 SOLAS 74/78 III/6.4 Controls Batteries and fuses Tested Markings Bell locations audible ■ Type of lifeboat ■ Davit launched ☐ Free fall ☐ Lifeboats stripped, cleaned and inspected 46 CFR 199.190(f) Date of annual servicing ☐ Lifeboats and work boats 46 CFR 199.201 46 CFR 199.202 Hull and fittings 46 CFR 199.261 Tanks and fittings 46 CFR 199.262 Cradles SOLAS 74/78 III/19.2 Gripes SOLAS 74/78 III/26 MSM Ch. C2.H.2 Compressed air cylinders Markings 46 CFR 199.176

16

Lifeboat equipment and stowage (use table below to determine required equipment)

46 CFR 199.175 SOLAS 74/78 III/41

Item	Item	International Voyage		Short International Voyage	
Number		Lifeboat	Rescue Boat	Lifeboat	Rescue Boat
1	1 Bailer ¹		1	1	1
2	Bilge pump ²	1		1	
3	Boathook	2	1	2	1
4	Bucket ³	2	1	2	1
5	Can opener	3		3	
6	Compass	1	1	1	1
7	Dipper	1		1	
8	Drinking cup	1		1	
9	Fire extinguisher	1	1	1	1
10	First aid kit	1	1	1	1
11	Fishing kit	1			
12	Flashlight	1	1	1	1
13	Hatchet	2		2	
14	Heaving line	2	2	2	2
15	Jackknife	1		1	
16	Knife ^{1,4}		1		1
17	Ladder	1	1	1	1
18	Mirror, signalling	1		1	
19	Oars, units 5,6	1	1	1	1
20	Painter	2	1	2	1
21	Provisions (units/persons)	1			
22	Pump ⁷		1		1
23	Radar reflector	1	1	1	1
24	Rainwater collection device	1		1	
25	Repair kit ⁷		1		1
26	Sea anchor	1	1	1	1
27	Searchlight	1	1	1	1
28	Seasickness kit (units/person)	1		1	