

REPUBLIC OF LIBERIA

Marine Notice

BUREAU OF MARITIME AFFAIRS

INS-004 Rev. 4/05

TO:ALL SHIPOWNERS, OPERATORS, MASTERS AND OFFICERS OF
MERCHANT SHIPS, AND AUTHORIZED CLASSIFICATION SOCIETIES

SUBJECT: Operational/Safety Checklist for SOLAS 74/78 Requirements.

Reference: Maritime Regulations 7.191

Supersedes: Marine Notice INS-004 dated 11/02

PURPOSE:

This Notice provides a reproducible copy of this Operational/Safety Checklist in the RLM-300 to facilitate the inspection of safety equipment as required by the 1974 SOLAS Convention, Chapter III, Regulation 20.6 and 20.7 and other parts of SOLAS. The Administration strongly recommends the use of this format or a company sponsored planned maintenance system.

APPLICABILITY:

This Notice applies to Masters as it is their responsibility to ensure that all safety equipment, including lifesaving and firefighting gear, is always in good condition and available for immediate use. Masters should also be aware that Port State Control inspections are focusing greater attention to the condition of lifesaving and firefighting equipment, based on the fact that these areas continue to generate the greatest number of deficiencies on the average for all vessels inspected by Port State Authorities.

REQUIREMENTS:

1.0 Master's Responsibility

Immediately upon assuming command and in accordance with Maritime Regulation 10.296(7), the master should appoint one of his officers as the designated safety officer to make the weekly and monthly checks of equipment as required by SOLAS. If used, the form is to be signed by the designated safety officer and reviewed by the master at the end of each month.

2.0 Record Retention and Availability

- 2.1 The signed copy should be retained in the master/safety officer's file and should be made available to our nautical inspector when he boards the vessel to inspect. The master can also show this report to any Port State inspector or official that may visit his vessel as evidence of maintenance of equipment.
- 2.2 The master should send the original to the owner/operator at convenient intervals to assure shore side management that all of the equipment is being maintained in serviceable condition and no delays should be expected due to Port State intervention with respect to any of these items.

3.0 Corrective Action

Should corrective action require company assistance, such as furnishing spare parts, new equipment or arranging shoreside labor, the master should immediately requisition an order to maintain operational readiness at all times and to avoid being cited for any deficiencies. We are fully confident that owners will respond to and cooperate with the master by taking immediate corrective action.

4.0 Benefits

- 4.1 If each master adopts a positive attitude and insists that his designated safety officer conduct these examinations in an effective manner, all equipment can be maintained defect-free and the master, with complete confidence, can welcome inspection of this equipment by any inspection body.
- 4.2 The master may also find the checklist to be valuable reference material for utilization during general safety meetings held with the officers and crew.

5.0 Log Book Entry

The date of these inspections shall be entered into the Log Book as required by SOLAS.

ANNEX OPERATIONAL/SAFETY CHECKLIST SOLAS and MARPOL

Month of:

SHIP'S OPERATIONAL SAFETY READINESS

Ship's Name: _____

O.N. _____

Operator/Agent:

Master: _____

CHECKLIST 1 - PRIMARY LIFESAVING EQUIPMENT/SURVIVAL CRAFT								
	WEEK							
ITEM	SOLAS REFERENCE	$\begin{array}{c} \text{CHECK} \\ \text{BOX} \end{array}$	$\begin{array}{c} \text{CHECK} \\ \text{BOX} \end{array}$	$\begin{array}{c} \textbf{CHECK} \\ \textbf{BOX} \end{array}$	CHECK BOX $$	$\begin{array}{c} \text{CHECK} \\ \text{BOX} \end{array}$		
1. Operational Readiness	Regulation III/20							
2. Survival Craft	Chapter III							
- Number & Type	Regulations III/10,11,14 &15							
- Embarkation Area	(Passenger Vessels)							
- Davits/Launching Gear	III/21, 23, 24 or 26 (Cargo Vessels)							
- Instructions (posted)	III/12,13,16, 31, 33 III/9							
- Falls	Regulation III/20.4							
- Condition	Regulation III/20							
- Required Equipment	Regulation III/20.10 LSA Regulations 4.4.8							
- Marking 4. Liferafts								
	Chapter III							
- Condition	Regulation III/20.8 Regulations III/12, 13,							
- Stowage - Launching - Launching Gear	16, 21, 23, 24 & 26 Regulation III/31, 33, 34 & 20.10							
- Hydrostatic Releases	Regulation III/20.9.1							
- Marking								
5. Rescue Boats	Chapter III							
- Condition	Regulations III/20, 34 & 36							
- Stowage	Regulation III/14, 23,							
- Launch & Recover	31 Regulation III/17							
- Falls	Regulation III/20.4							

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6. Communication	Chapter III & Chapter IV						
- VHF Radiotelephone							
- EPIRB Batteries	Regulation III/6.2						
- Radar Transponder	Regulation IV/7-11						
- Location/Mounting	Regulation IV/13.6.2 & 15.9						
- Emergency Source of Power	10.7						
7. Visual Signals & Smoke Signals	Regulation III/6.3 & 7.1						
8. Emergency alarms	Regulations III/6.4 & 6.5						
9. Line Throwing Apparatus	Regulation III/18						
10. Training; Manuals & Drill							
- NOTE: during drills, a demonstration that key crew members on passenger vessels are acquainted with the damage control	Regulations III/19 & 35						
11. Maintenance/Instructions	Regulation III/36						
12. Muster List & Emergency Instructions	Regulation III/8, 37						
$R_{AGUIDION} = \frac{1}{2} \frac{1}{$							

	WEEK					
ТЕМ	SOLAS REFERENCE	$\begin{array}{c} \textbf{CHECK}\\ \textbf{BOX} \end{array}$	CHECK BOX $$	CHECK BOX $$	CHECK BOX $$	CHECH BOX
1. Operational Readiness	Chapter III Regulation 20					
2. Lifebuoys	Chapter III					
– Number & Type	Regulations III/7.1,					
- Location	22.1					
- Condition	and Regulation III/20.10					
- Marking/Reflective Tape						
- Quick Release	Regulation III/32.1					
 Lights smokes lifelines 	Regulations III/7.1					
3. Lifejackets	Chapter III					
- Number & Type	Regulation III/7.2, 22.2					
- Location	or, 26.5					
- Condition	and Regulation III/20.10					
- Marking/Reflecting Tape						
- Lights/smokes/lifelines	Regulation III/32.2					
4. Immersion Suits	Chapter III					
- Number & Type	Regulation III/7.3, 22.4					
- Location	Regulation III/20.10					
- Condition	and Regulation III/32.3					
Remarks: Corrective Action Needed:						

CHECKL	IST 3 - FIREFIGHTI	NG EC	QUIPN	<u>IENT</u>		
	WEEK					
ITEM	SOLAS REFERENCE 2004 Consolidated edition	$\begin{array}{c} \textbf{CHECK}\\ \textbf{BOX} \end{array}$	$\begin{array}{c} \textbf{CHECK}\\ \textbf{BOX} \end{array}$	$\begin{array}{c} \textbf{CHECK}\\ \textbf{BOX} \end{array}$	СНЕСК ВОХ √	CHECK BOX $$
1. Readiness/Availability	Regulation II-2/14					
2. Dampers, Vents, Fans & Remote Control	Regulations II-2/9.7					
3. Firemain Integrity (Weekly)	Chapter II-2-Part C Regulation 7					
- Pumps (Operational)	Pagulatian II 2/10.2.2					
- Station (Outfitted)	Regulation II-2/ 10.2.2					
4. Fixed Gaseous Fire Extinguishing Systems	Chapter II-2- Part C					
 CO₂ (Proof of servicing & inspection) 	Regulation II-2/ 10.4, 10.5, 10.7 & 14					
5. Foam Fire Extinguishing Systems	Chapter II-2					
- Proof of sample testing	Regulations II-2/10.8.1 & Fire Safety Code					
6. Portable Extinguishers	Chapter II-2-Part C					
- Required Number	Degulation II 2/10.2					
- Location	Regulation II-2/10.3					
7. Fire detection Systems	Chapter II-2-Part C					
- Operational						
– Alarms	Regulations II-2/7					
- Testing	Regulation II-2/7.3.2					
8. Fireman's Outfit	Chapter II-2-Part C					
- Required Number	Regulation					
- Location	II-2/ 10.10					
- Breathing Apparatus	MSC Circ 850					
9. Fire Control Plans	Regulation II-2/15.2.4					
10. International Shore Connection	Regulation II-2/10.2.1.7					
11, Vertical Fire Zone Boundaries	Chapter II-2					
– Intact	Various Regulations					
- Fire Doors	MSC-Circ.850					

12. General Fire Protection	Chapter II-2					
 Housekeeping Stowage Flammable Stores 	Various Regulations					
 Instructions Posted 						
13. EEBDs	MSC Circ. 849					
Remarks:						
Corrective Actions Needed:						
CHECKLIST 4 - 1	EMERGENCY SYST	TEMS	AND F	ΟΠΙΡΙ	MENT	
	WEEK					
	SOLAS					
ITEM	REFERENCE	CHECK BOX $$				
	2004 Consolidated edition					
1. Emergency Generator	Chapter II-1 Part D					
– Туре						
- Condition						
 Back-out and re-start of Emergency Generator 	Regulation II-1/42-45					
- Inspection of Emergency Lights						
2. Operation of Emergency Fire Pump	Chapter II-2- Part C					
- Location	Regulation					
 Able to provide adequate pressure to two hoses connected at different locations. 	II-2/10.2.1.6 and II-2/ 10.2.2.3.2.1					
3. Watertight Doors	Chapter II-1 Part B and B1					
– Number & Type						
– Condition	Regulation II-1/15 (Passenger Vessels)					
- Operational Test	Regulation II-1/25 - 9					
- Test of Indicators/Alarms	(Cargo Vessels)					

4. Machinery Space Remote	Chapter II- 2					
Emergency Stops - Opening & closing of skylights, funnels, etc. - Closing power operated doors	1					
 Closing power operated doors or actuating release mechanism on doors other than power operated watertight doors. 	Regulations II-2/5.2,					
- Stopping ventilating fans, and	and 9.7.5.14					
 Stopping forced and induced draft fans, oil fuel transfer pumps, oil fuel unit pumps and other similar fuel pumps. Remarks: 						
Corrective Actions Needed:						
CHECKLIST 5	5 – GAS, OIL AND C	HEMI	CAL T	ANKE	ERS	
	WEEK					<u> </u>
ITEM	SOLAS	CHECK BOX √	CHECK BOX √	CHECK	CHECK	CHECK
	REFERENCE	DOA	DON	BOX $$	BOX √	вох √
	REFERENCE Chapter VI & VII	DOR	DOR	BOX	BOX V	BOX √
devices O ₂ Monitoring, explosimeter and						BOX √
devices O ₂ Monitoring, explosimeter and	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk					
devices O2 Monitoring, explosimeter and chemical detection equipment - Number & Type adequate - Calibration completed	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk Chemical Code and, International Gas					
devices O2 Monitoring, explosimeter and chemical detection equipment - Number & Type adequate	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk Chemical Code					
devices O2 Monitoring, explosimeter and chemical detection equipment - Number & Type adequate - Calibration completed - Number of gas tubes adequate for the cargos carried	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk Chemical Code and, International Gas Carrier Code, as applicable Chapter VII					
devices O2 Monitoring, explosimeter and chemical detection equipment - Number & Type adequate - Calibration completed - Number of gas tubes adequate for the cargos carried	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk Chemical Code and, International Gas Carrier Code, as applicable Chapter VII International Bulk					
 Calibration completed Number of gas tubes adequate for the cargos carried 2. Cabin Escape Sets 	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk Chemical Code and, International Gas Carrier Code, as applicable Chapter VII International Bulk Chemical Code and, International Gas					
devices O2 Monitoring, explosimeter and chemical detection equipment - Number & Type adequate - Calibration completed - Number of gas tubes adequate for the cargos carried 2. Cabin Escape Sets - Suitable for cargo carried - Adequate number, and - Operational	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk Chemical Code and, International Gas Carrier Code, as applicable Chapter VII International Bulk Chemical Code and,					
devices O2 Monitoring, explosimeter and chemical detection equipment - Number & Type adequate - Calibration completed - Number of gas tubes adequate for the cargos carried 2. Cabin Escape Sets - - Suitable for cargo carried - Adequate number, and	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk Chemical Code and, International Gas Carrier Code, as applicable Chapter VII International Bulk Chemical Code and, International Gas Carrier Code as					
devices O2 Monitoring, explosimeter and chemical detection equipment - Number & Type adequate - Calibration completed - Number of gas tubes adequate for the cargos carried 2. Cabin Escape Sets - Suitable for cargo carried - Adequate number, and - Operational	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk Chemical Code and, International Gas Carrier Code, as applicable Chapter VII International Bulk Chemical Code and, International Gas Carrier Code as					
devices O2 Monitoring, explosimeter and chemical detection equipment - Number & Type adequate - Calibration completed - Number of gas tubes adequate for the cargos carried 2. Cabin Escape Sets - Suitable for cargo carried - Adequate number, and - Operational	Chapter VI & VII Regulation VI/3 and Chapter VII International Bulk Chemical Code and, International Gas Carrier Code, as applicable Chapter VII International Bulk Chemical Code and, International Gas Carrier Code as					

Corrective Actions Needed:

CHECKLIST 6 - STRUCTURAL ASSESSMENT									
	WEEK								
ITEM	SOLAS REFERENCE	$\begin{array}{c} \textbf{CHECK}\\ \textbf{BOX} \end{array}$	$\begin{array}{c} \textbf{CHECK}\\ \textbf{BOX} \end{array}$	CHECK BOX $$	check box $$	$\begin{array}{c} \textbf{CHECK}\\ \textbf{BOX} \end{array}$			
1. Structural assessment check for	Chapter I								
- Excessive corrosion of deck									
 Corrosion in ballast tanks (as available) General assessment of safety structure on the basis of reports 	Regulation I/11								
of survey, condition evaluation reports									
Corrective Action Needed:	KLIST 7 - NAVIGA	ΓΙΟΝ S	SAFET	Y					
	WEEK								
ITEM	SOLAS REFERENCE 2004 Consolidated edition	$\begin{array}{c} \textbf{CHECK}\\ \textbf{BOX} \end{array}$	CHECK BOX √	CHECK BOX $$	CHECK BOX $$	CHECK BOX $$			
1. Navigation Equipment	Chapters IV & V								
- Type required (Radar, ARPA, VDR, Gyro, Magnetic Compass, Echo Sounder, etc.)									
- Operational	Regulation V/19								
2. Charts, Notice to Mariners, Light List, Radio Aids Up-to-Date									

3. International Code of Signals and IAM SAR Manual	Regulation V/21							
4. Pilot Ladders	Regulation V/23							
5. Voyage Data Recorder	Regulation IV/18.8							
6. Steering Gear	Chapter V							
- Tests	Regulation V/26.1							
- Drills	Regulation V/26.4							
Remarks:		L		1				
Corrective Actions Needed:								
CHECKLIST 8 - POLLUTION PREVENTION								
СНЕСК	LIST 8 - POLLUTIO	N PRE	VENT	ION				
СНЕСК	LIST 8 - POLLUTIO WEEK	N PRE	VENT	ION				
ITEM	WEEK MARPOL	N PRE CHECK BOX √	CHECK BOX √	CHECK BOX √	CHECK BOX √			
ITEM	WEEK	CHECK	CHECK	CHECK				
	WEEK MARPOL REFERENCE ANNEX I	CHECK	CHECK	CHECK				
ITEM 1. Oil Record Book(s)	WEEK MARPOL REFERENCE	CHECK BOX √	CHECK BOX √	CHECK BOX √	вох √	BOX		
ITEM 1. Oil Record Book(s) - Complete - Up-to-date	WEEK MARPOL REFERENCE ANNEX I Regulation 20 and/or	CHECK BOX √	CHECK BOX √	CHECK BOX √	BOX √			
ITEM 1. Oil Record Book(s) - Complete - Up-to-date	WEEKMARPOLREFERENCEANNEX IRegulation 20 and/orAnnex II, Regulation 9Annex I	CHECK BOX √	CHECK BOX √	CHECK BOX √	BOX √	вох		
ITEM 1. Oil Record Book(s) - Complete - Up-to-date 2. Discharge Monitoring Equipment	WEEK MARPOL REFERENCE ANNEX I Regulation 20 and/or Annex II, Regulation 9 Annex I Regulation 16 and/or	CHECK BOX √	CHECK BOX √	CHECK BOX √	Box √	вох		
ITEM 1. Oil Record Book(s) - Complete - Up-to-date 2. Discharge Monitoring Equipment - Operating	WEEKMARPOLREFERENCEANNEX IRegulation 20 and/orAnnex II, Regulation 9Annex I	CHECK BOX √	CHECK BOX √	CHECK BOX √	Box √			
ITEM 1. Oil Record Book(s) - Complete - Up-to-date 2. Discharge Monitoring Equipment - Operating - Records - Test of Oil Water Separator, Alarms and Monitors	WEEK MARPOL REFERENCE ANNEX I Regulation 20 and/or Annex II, Regulation 9 Annex I Regulation 16 and/or	CHECK BOX √	CHECK BOX √	CHECK BOX √	Box √			
ITEM 1. Oil Record Book(s) - Complete - Up-to-date 2. Discharge Monitoring Equipment - Operating - Records - Test of Oil Water Separator,	WEEKMARPOLREFERENCEANNEX IRegulation 20 and/orAnnex II, Regulation 9Annex IRegulation 16 and/orAnnex II, Regulation 5	CHECK BOX √	CHECK BOX √	CHECK BOX √	Box √			
ITEM 1. Oil Record Book(s) - Complete - Up-to-date 2. Discharge Monitoring Equipment - Operating - Records - Test of Oil Water Separator, Alarms and Monitors 3. Sewage Treatment Plant 4. Garbage Management Plan 5. Prevention of Air Pollution	WEEKMARPOLREFERENCEANNEX IRegulation 20 and/orAnnex II, Regulation 9Annex IRegulation 16 and/orAnnex II, Regulation 5Annex IV	CHECK BOX √	CHECK BOX √	CHECK BOX √	Box √			
ITEM 1. Oil Record Book(s) - Complete - Up-to-date 2. Discharge Monitoring Equipment - Operating - Records - Test of Oil Water Separator, Alarms and Monitors 3. Sewage Treatment Plant 4. Garbage Management Plan 5. Prevention of Air Pollution Certificate valid? Engine International Air Pollution	WEEK MARPOL REFERENCE ANNEX I Regulation 20 and/or Annex II, Regulation 9 Annex I Regulation 16 and/or Annex II, Regulation 5 Annex IV Annex V	CHECK BOX √	CHECK BOX √	CHECK BOX √	Box √			
ITEM 1. Oil Record Book(s) - Complete - Up-to-date 2. Discharge Monitoring Equipment - Operating - Records - Test of Oil Water Separator, Alarms and Monitors 3. Sewage Treatment Plant	WEEKMARPOLREFERENCEANNEX IRegulation 20 and/orAnnex II, Regulation 9Annex IRegulation 16 and/orAnnex II, Regulation 5Annex IVAnnex VAnnex VIRegulation 13 and NOx	CHECK BOX √	CHECK BOX √	CHECK BOX √	Box √			

 Fuel Oil Change over Record if operating in SOx Emission Control Area 	Regulation 14					
6. Ballast Water Management Plans in Effect	Assembly Resolution A.868 (20) dated 28 November 1997					
Remarks:						
Corrective Actions Needed:						
CHECKLIS	ST 9 - SAFETY MAN	IAGEN	IENT	CODE		
	WEEK					
ITEM	SOLAS REFERENCE	CHECK BOX $$				
1. Safety Management System	Chapter IX					
- Internal audits being conducted						
 Nonconformities reported 						
 Company responding to reports 	Regulation 5.0					
 Master aware of ISM Code 						
Responsibilities - Crew aware of ISM Code						
Responsibilities 2. Certificates	Regulation 6.0					
Remarks:						
Corrective Actions Needed:						
Signed:			Ship'	s Safet	y Office	r
Date:		Date:				