

# Summary of SOLAS Requirements for Maintenance, Servicing, Testing and Drills

## Guidance note

### On-board Maintenance and Inspection of Fire Protection Systems and Appliances

Fire Protection System or Appliance	Intervals						
	Weekly	Monthly	3-Monthly	Annually	2-Yearly	5-Yearly	10-Yearly
Breathing Apparatus (MSC Circ. 1432)	X			X		X	
Emergency Escape Breathing Devices (EEBD) (MSC Circ. 1432)	X			X			
Fire Doors (MSC Circ. 1432)	X		X	X			
Fire mains, fire pumps, hydrants, hoses and nozzles (MSC Circ. 1432)		X	X	X			
Fire-Fighters' Outfits (MSC Circ. 1432)		X					
Fixed Carbon Dioxide (CO <sub>2</sub> ) Fire-Extinguishing Systems (MSC Circ. 1318)		X		X	X <sub>1</sub>	X	X
Other fixed Gas Fire-Extinguishing Systems (MSC Circ. 1432)	X	X		X	X	X	X
Fixed aerosol extinguishing systems		X		X			X
Fixed Dry Chemical Powder Fire-Extinguishing Systems (MSC Circ. 1432)		X		X	X		X
Fixed Fire Detection and Fire Alarm Systems (MSC Circ. 1432)	X	X		X			
Fixed Foam Fire-Extinguishing Systems (MSC Circ. 1432)		X	X	X		X	
Galley and deep fat cooking fire-extinguishing systems (MSC Circ. 1432)				X			
Low Location Lighting (LLL) Systems (MSC Circ. 1432)	X					X	
Portable Fire-Extinguishers (Res. A.951(23))				X		X	X
Portable Foam Applicators (MSC Circ. 1432)		X		X			
Public address and general alarm systems (MSC Circ. 1432)	X						
Ventilation systems and fire dampers (MSC Circ. 1432)			X	X			
Water mist, water spray and sprinkler systems (MSC Circs. 1432 & 1516)	X	X	X	X		X	X
Wheeled (mobile) Fire-Extinguishers (MSC Circ. 1432)		X		X		X	X

#### KEY:

X Required

#### NOTES:

1. Also applies to nozzles and hydrants.

## Servicing, Inspections & Testing of Life-Saving Appliances, Radio & Navigation Equipment

Requirement	SOLAS Regulations	Service company	Crew	Under survey	Intervals				
					Weekly	Monthly	Annually	30 Months	5-Yearly
<b>Accommodation Ladders, gangways, davits and winches:</b>	II-1/3-9, MSC Circ. 1331								
Maintained in accordance with manufacturer's instructions	MSC Circ. 1331	X	X						
Thorough examination	MSC Circ. 1331	X	X			X <sub>2</sub>			
Max. operational load test	MSC Circ. 1331	X	X	X					X <sub>3</sub>
Passenger ship lightweight test	II-1/5.5 (II-1/22.3)			X					X
Servicing of inflatable liferafts, inflatable lifejackets, marine evacuation systems	III/20.8.1	X <sub>4</sub>				X <sub>5</sub>			
Servicing of inflatable liferafts (30 months)	III/20.8.3 & MSC Circ.1328	X <sub>4</sub>	X				X		
Servicing of hydrostatic release units (other than disposable hydrostatic release units)	III/20.9	X <sub>4</sub>				X <sub>5</sub>			
<b>Launching appliances (davit and winch):</b>	III/20.11.1 & MSC.402(96)								
Maintained in accordance with instructions for on-board maintenance	III/20.11.5		X		X	X			
Thorough examination	III/20.11.1.1	X <sub>1</sub>				X <sub>2</sub>			
Dynamic test of winch brake with load of empty boat, i.e. without persons on-board	III/20.11.1.2	X <sub>1</sub>				X <sub>2</sub>			
Dynamic test of winch brake with a proof load of 1.1 x weight of fully equipped and manned boat	III/20.11.1.2	X <sub>1</sub>		X					X <sub>3</sub>
<b>Lifeboat and rescue boat release gear:</b>	III/20.11.2 & MSC.402(96)								
Maintained in accordance with instructions for on-board maintenance	III/20.11.5		X		X	X			
Thorough examination and operational test with load of empty boat, i.e. without persons on-board	III/20.11.2.1	X <sub>1</sub>				X <sub>2</sub>			
Operational test under 1.1 x total mass of boat fully equipped and loaded for on-load release gear <sup>6</sup>	III/20.11.2.2	X <sub>1</sub>		X					X <sub>3,6</sub>
<b>Davit-launched liferaft automatic release hooks:</b>	III/20.11.3 & MSC.402(96)								
Maintained in accordance with instructions for on-board maintenance	III/20.11.5		X		X	X			
Thorough examination and operational test	III/20.11.3.1	X <sub>1</sub>	X			X <sub>2</sub>			
Operational test under 1.1 x total mass of liferaft fully equipped and loaded when release hook is overhauled	III/20.11.3.2	X <sub>1</sub>		X					X <sub>3</sub>
<b>Lifeboats and rescue boats, including fast rescue boats:</b>	III/20.11.4								
Maintained in accordance with instructions for on-board maintenance	III/20.11.5		X		X	X			
Thorough examination and operational test	III/20.11.4	X <sub>1</sub>	X			X <sub>2</sub>			
EPIRB testing	IV/15.9 & MSC Circ. 1040	X				X <sub>2</sub>			
EPIRB maintenance	IV/15.9 & MSC Circ. 1040	X <sub>4</sub>							X <sub>2</sub>
VDR/S-VDR testing	V/18.8 & MSC Circ. 1222 Rev.1	X <sub>1</sub>				X <sub>2</sub>			
AIS testing	V/18.9 & MSC Circ. 1252	X <sub>4</sub>				X <sub>2</sub>			

### NOTES:

1. Conducted by manufacturer or an authorised service supplier/provider. See MSC.402(96)/Corr. 1.
2. Within survey window.
3. Preferably within survey window. See MSC.1/Circ.1618.
4. To be done at approved servicing station. For AIS – to be done by approved service surveyor or facility.

5. At intervals not exceeding 12 months, the Flag may extend this period to 17 months. Flags may permit intervals to be extended to harmonise with survey windows (MSC/Circ.955).
6. The operational testing of free-fall lifeboat release systems shall be performed either by free-fall launch with only the operating crew on board or by a test without launching the lifeboat.

## On-board Training, Drills and Inspections of Fire Appliances & Life-Saving Appliances

Requirement	SOLAS Regulations	Service company	Crew	Ship's log	Intervals								
					Weekly	Monthly	3-Monthly	4-Monthly	6-Monthly	Annually	2-Yearly	5-Yearly	
Watertight door drills	II-1/21 (II-1/23)		X	X	X <sub>2</sub>								
Damage control drill – passenger ships (applicable from January 2020)	II-1/19-1		X	X			X			X <sub>8</sub>			
Abandon ship drill and fire drill - cargo ships	III/19.3		X	X		X							
Abandon ship drill and fire drill - passenger ships	III/19.3, III/30		X	X	X								
Abandon ship drill - lowering lifeboats	III/19.3.4.1, MSC/Circ.1578		X	X	X <sub>2</sub>	X <sub>3</sub>							
Abandon ship drill - launching lifeboats & rescue boats	III/19.3.4.3 & 19.3.4.6, MSC.1/Circ.1578		X	X		X <sub>1</sub>	X						
Abandon ship drill - free-fall lifeboat drill	III/19.3.4.4, MSC/Circ.1578		X	X			X						
Abandon ship drill - launch (or simulated launch) free-fall lifeboats	III/19.3.4.4, MSC/Circ.1578		X	X					X				
Abandon ship drill - MES drill	III/19.3.4.8		X	X	X <sub>2</sub>	X <sub>3</sub>							
Abandon ship drill - MES training	III/19.3.4.8		X	X							X		
Abandon ship drill - testing of emergency lighting	III/19.3.4.9		X	X	X <sub>2</sub>	X <sub>3</sub>							
Enclosed Space Entry and Rescue Drills	III/19.3.3 & 19.3.6		X	X			X <sub>7</sub>						
LSA & fire on-board training	III/19.4.1 & .2		X	X	X <sub>2</sub>	X <sub>3</sub>							
Davit-launched liferaft training	III/19.4.3		X	X			X						
Launching appliances - inspect wire ropes	III/20.4 & MSC.402(96)	X	X							X			
Launching appliances - wire ropes renewed	III/20.4 & MSC.402(96)	X	X										X <sub>4</sub>
Survival craft, rescue boats and launching appliances (visual inspection)	III/20.6.1 & MSC.402(96)		X	X	X								
Test run of lifeboat and rescue boat engines	III/20.6.2 & MSC.402(96)		X	X	X <sub>5</sub>								
Davit launched lifeboats - Moved from stowed position	III/20.6.3		X	X	X <sub>3</sub>								
Testing of public address and general alarm system	III/20.6.4		X	X	X								
Davit launched lifeboats - Turned out from stowed position	III/20.7.1		X			X							
Inspection of LSA including lifeboat equipment	III/20.7.2 & III/36.1		X			X							
Steering gear tests	V/26.1 & .2		X	X	X <sub>6</sub>								
Emergency steering drill	V/26.4		X	X			X						

### NOTES:

1. Dedicated rescue boats launched monthly, if possible.
2. Passenger ships.
3. Cargo ships.
4. When necessary due to deterioration of the falls or at intervals of not more than 5 years.
5. In special cases the Flag may waive this requirement for ships constructed before 1 July 1986.

6. Within 12 hours before departure or weekly for ships which regularly engage on voyages of short duration.
7. Every two months.
8. Passenger ships: activation of the shore-based support, if provided, to conduct stability assessments for the simulated damage conditions.

For further information, contact Statutory Support Group at [statutorysupport@lr.org](mailto:statutorysupport@lr.org)

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