	<p><i>HEALTH, SAFETY, ENVIRONMENT AND QUALITY MANAGEMENT SYSTEM</i></p> <p>4.19. PREFERRED EQUIPMENT TYPE</p> <p><i>HSE PROCEDURES MANUAL</i></p>	<p>Sect : 4.19 Page : 1 of 5 Date : 7-Aug-25 Rev : 10.2 Appr : DPA</p>
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PREFERRED EQUIPMENT TYPES

Whenever possible safety and environmental protection equipment should be standardised. Different equipment types create problems with training, maintenance, audits and control.

A range of equipment has been identified as standard and should be instituted when replacing expired, obsolete or worn out items. The preferred manufacturers and range of products are listed below.

Number of LSA/FFA items on board shall be in accordance with SOLAS requirements OR LSA/FFA plan.¹

For items like safety harness which are not included in the LSA plan, company has recommended the number of items to be kept on board.²

Master / Chief Engineer shall ensure that type approval certificates are on board when receiving these items.³

Also, whenever new LSA/FFA equipment is received on board OR when existing equipment is replaced for example if life raft is changed from Fujikura to Survitec, new instructions are to be inserted in SOLAS TRAINING MANUALS and obsolete ones to be removed.⁴

⁵ S.NO	ITEM	Make	Remarks
1	Hand Flares	Pains Wessex	
2	Rocket Parachute Flares	Pains Wessex	
3	Buoyant Smoke signals	Pains Wessex	
4	Bridge MOB Smoke & Light Marker	Pains Wessex	
5	Line throwing appliance	Pains Wessex Speedline	
6	Lifebuoy lights	Daniamant L90	
7	Life jackets	Viking	Three oversize lifejackets (designed to fit persons weighing up to 140 kg and with a chest girth of up to 1,750 mm) to be on board
8	Life jacket lights	Daniamant	


¹ W 32 / 2018

² W 32 / 2018

³ W 32 / 2018

⁴ W 32 / 2018

⁵ W 32 / 2018 (Entire table)

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⁵ S.NO	ITEM	Make	Remarks
9	Immersion suits	Viking	One jumbo size self-buoyant immersion suit to be on board (190 – 220 cm).
10	Immersion suit lights	Daniamant	
11	Life rafts	Survitec	
12	Life raft HRU	Hammar	
13	EPIRB	Jotron	
14	SART	Jotron	
15	SCBA sets (Firefighting / Helicopter / IMDG requirements)	As fitted on vessel	Replacement units to be same
16	Firefighter outfit electric safety lamp (hand lantern) ⁶	Pelican Sabre Lite 9415 I ⁷ LED OR Wolfite H-251ALED ⁸	Intrinsically safe type with a minimum burning period of 3 hours. ⁹
17	EEBD sets	As fitted on vessel	Replacement units to be same
18	Fire extinguishers	As fitted on vessel	Replacement units to be same Body red, shoulder of the extinguisher to be coloured as follows: i. Dry powder Light blue ii. CO2 Black iii. Foam Buff iv. Water Red
19	GMDSS Survival craft Walkie Talkies	ENTEL HT649	
20	Ships Walkie Talkies (12 NOS)	ENTEL HT583 / 585 ¹⁰ UHF Handheld Portable Radio (400- 470 MHz)	Intrinsically safe Note: Model 583 is no longer manufactured and replaced by Model 585 ¹¹

⁶ W 22 / 2024


⁷ W 22 / 2024

⁸ W 22 / 2024

⁹ W 22 / 2024

¹⁰ W 07 / 2023


¹¹ W 07 / 2023

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⁵S.NO	ITEM	Make	Remarks
21	Gas detection equipment (2 NOS)	GMI - PS 200 / 4 GAS DETECTOR or Triple C ¹²	Supplied by MARTEK and Provided with docking station for calibration on board for GMI - PS 200 ¹³
22	Medical oxygen bottles kept in hospital	Unitor	One 40 L / 200 bar two nos 2L / 200 bar bottles
23	Breath Analyser	ALCO XS	Supplied by MARTEK
24	Potable water test kit	Drink Safe (MARTEK)	The kit is designed to last 12 MONTHS & meets all compliance requirements including MLC 2006. Replenishments for the kit are available from Martek. There is no need to re-buy a new kit just replace the parts you've used.
25	Malaria antigen test kit	NA	As per WHO recommendations
26	Safety harness (6 NOS)	PROTEKT – P 50	Harness must comply with EN 361 and EN 358 standards Shock absorber must comply with EN 355 standards
27	Fall arresting devise (3 NOS)	NA	Fall Arrestor must comply with EN360 standards
28	Work vest (4 NOS)	Imperial (Survitec)	
29	High pressure DENJET PPE	DENJET	Refer HSE procedures – Chapter 4.8
30	Safety helmets	NA	Must comply with EN 397 standards and should have a chin strap.
31	Safety shoes	KPR slip resistant	Supplied by BENEDICT and complying with CE EN ISO 20345 standards
32	Hearing protectors	NA	Must comply with the following standards: i. Earmuffs EN 352-1 ii. Ear Plugs EN 352-2 iii. Earmuffs attached to a safety helmet: EN 352-3
33	Eye and face protectors	SPERIAN V MAX or equivalent	Must comply with ANSI Z87.1 standards

¹² W 25 / 2021

¹³ W 25 / 2021

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⁵S.NO	ITEM	Make	Remarks
34	Hose binding machine	Wilhelmsen Portable Binding Machine 295 605212 Wilhelmsen Clamping Device for binding machine 295 605220	
35	Safety signs	NA	Following signs must be photo luminescent type: <ul style="list-style-type: none"> i. IMO symbols for life saving appliances. ii. Direction signs showing escape routes and muster stations. iii. Fire equipment signs iv. Prohibition signs e.g., no smoking
36	Lock out / Tag out Kit – LOCKS (6 NOS)	ABUS USA, 09805 74 Series	Refer HSE procedures – 4.11.12
37 ¹⁴	BINOCULARS (4NOS)	NIKON ACULON (7 x 50) marine type binoculars	For <ul style="list-style-type: none"> i. OOW ii. Pilot iii. Master iv. Look out
38 ¹⁵	Fireman's boot	HARVIK	
39 ¹⁶	Fireman's outfit	NA	In accordance with EN 469 STANDARDS as they are considered suitable to fight fires within enclosed spaces (MARINE SAFETY ADVISORY No. 03-20)
40 ¹⁷	Pilot Ladder (2 Nos.)	PTR Holland	

¹⁴ W 10 / 2021

¹⁵ W 25 / 2021

¹⁶ W 25 / 2021

¹⁷ W 09 / 2024