

## Malta Yacht Surveys

+356 9928 9271 | [www.MaltaYachtSurveys.com](http://www.MaltaYachtSurveys.com)

<b>RYA Suggested Safety Equipment for Vessels under 13.7m LOA</b>		<b>ISO Category</b>			
<b>NB:</b> these are sensible suggestions for British registered private pleasure vessels under 13.7 metres in length and are not required by law.  If your vessel is not British registered then the requirements of the relevant Flag State should be complied with.		Ocean	Offshore	Inshore	Sheltered
<b>1.</b>	<b>Means of Propulsion</b>				
1.1.	For craft under 6m in length, oars or paddles, for use in calms (sailing craft) or in the event of engine failure (power driven craft).			*	*
1.2.	For sailing yachts only, a storm trisail or deep reef in the mainsail.	*	*	*	
1.3.	For sailing yachts fitted with auxiliary engines,. Either a battery whose sole purpose is to start the engine, wich is isolated from all other electrical systems, or a means of starting the auxiliary by hand.	*	*	*	
<b>2.</b>	<b>Anchors</b>				
2.1.	Anchor(s) with length of warp and chain or chain only appropriate to the cruising area and a diameter appropriate to the size of yacht.	2+	2	2	1
2.2.	Anchoring fittings to include :				
	(a) A fairlead at the stem capable of being closed over the anchor warp or chain.	*	*	*	
	(b) A strong point, on the foredeck, either a mooring cleat, sampson post or anchor winch, securely fitted to the structure of the hull.	*	*	*	*
<b>3.</b>	<b>Bailing and bilge pumping</b>				
3.1.	A hand bailer				1
3.2.	Bucket(s) of not less than 9 litres (1.2 gallon) and not more than 14 litres (3 gallon) capacity fitted with a lanyard and a strongly secured handle.	2	2	2	
3.3.	Hand Bilge pumps discharging overboard and capable of operation with all hatches closed. (an electric or engine driven bilge pump may be fitted in place of one hand operated pump for category B or A yachts.	2	2	1	
3.4.	Softwood plugs attached adjacent to all through hull fittings.	*	*	*	*
3.5.	All through hull fittings to be closed.	*	*	*	
<b>4.</b>	<b>Detection Equipment</b>				
4.1.	A radar reflecting device, properly mounted with as large a radar cross section than can reasonably be carried.	*	*	*	*
4.2.	Fixed Navigation Lights which comply with the International Regulations for Preventing Collisions at Sea. including - Motoring cone (sail only) Anchor Ball and Light	*	*	*	*
4.3.	A sound signalling appliance (foghorn)	*	*	*	
4.4.	Powerful torch ("Steamer Scarer")	*	*	*	
<b>5.</b>	<b>Pyrotechnics (in date)</b>				
5.1.	Hand-held red flares (To SOLAS standards)	6	4	4	2
5.2.	Buoyant Orange Smoke Signals (To SOLAS standards)	2	2		
5.3.	Red Parachute Rockets (To SOLAS standards)	12	4	2	

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5.4.	Hand Held Orange Smoke Signals			2	2
5.5.	Hand Held White Flares (Not available worldwide)	4	4	4	
<b>6.</b>	<b>Fire Fighting Equipment</b>				
6.1.	Fire blanket, for all yachts with cooking equipment (BS EN 1869)	*	*	*	*
6.2.	For all yachts either fitted with a galley or carrying fuel for an engine, multi-purpose fire extinguishers. of minimum fire rating 5A/34B (to BS EN 3)	3	2	1	1
6.3.	Additionally for all yachts fitted with both a galley and carrying fuel for an engine, multi-purpose fire extinguishers of minimum fire rating 5A/34B (to BS EN 3)	1	1	1	1
6.4.	Additionally for yachts with high powered (over 25hp) engines, a fixed automatic or semi-automatic fire-fighting system installed to discharge into the engine space.	*	*	*	*
6.5.	Additionally, for all boats at least one multi-purpose fire extinguisher of minimum fire rating 113A/113B or smaller extinguishers giving the equivalent fire rating (to BS EN 3)	*	*	*	
<b>7.</b>	<b>Personal safety equipment for each member of the crew</b>				
7.1.	Warm clothing, oilskins, seaboots and hat	*	*	*	*
7.2.	A lifejacket or a buoyancy aid (BS EN 395) 100 Newtons				1
7.3.	A lifejacket (BS EN 395) 150 Newtons	1	1	1	
7.4.	Lifejacket Light	1	1		
7.5.	Spray face cover	1	1		
7.6.	A safety harness (for yachts with an enclosed wheelhouse, one harness each for 50% of the crew (BS EN 1095)	1	1	1	
7.7.	Immersion Suit	1			
7.8.	Jackstays and cockpit clip on points	*	*	*	
<b>8</b>	<b>Liferaft</b>				
8.1.	A liferaft designed for the sole purpose of saving life, of sufficient capacity to carry everyone on board.	1	1	1	
8.2.	An emergency grab-bag	1	1	1	
<b>9.</b>	<b>Man overboard recovery equipment</b>				
9.1.	Horseshoe lifebelts fitted with drogue and self-igniting light.	2	2	1	
9.2.	Buoyant sling on floating line - may replace one horseshoe life-belt if two are carried.	1	1		
9.3.	A buoyant heaving line, at least 30m in length, with quoit.	1	1	1	
9.4.	A boarding ladder capable of rapid and secure attachment.	1	1	1	
9.5.	A dan-buoy with a large flag.	1	1		
<b>10.</b>	<b>Radio</b>				
10.1.	A radio receiver, capable of receiving shipping forecasts on 198Khz and weather forecasts broadcast by local radio stations.	1	1	1	1
10.2.	A marine based VHF radio telephone.	1	1	1	1
10.3.	Digital Selective Calling (DSC) controller to R&TTE directive standards.	1	1	1	
10.4.	A marine-band HF/SSB radio and/or global satellite communications system.	1			
10.5.	406 Mhz EPIRB - registered in the name of the vessel.	1			
10.6.	Navtex	1	1	1	

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10.7.	Radio Transponder (SART)	1			
10.8.	Emergency VHF radio aerial with a prepared deck mounting.	1	1		
10.9.	Waterproof VHF handheld radio	1	1	1	1
<b>11. Navigational Equipment</b>					
11.1.	Up to date charts of the local area and a local tide table.				*
11.2.	Up to date charts, tide tables and navigational publications of the intended cruising area and adjacent areas into which the yacht may go under stress of weather.	*	*	*	
11.3.	Steering Compass - able to be lit at night	1	1	1	1
11.4.	Hand bearing compass	*	*	*	
11.5.	Navigational drawing instruments including parallel rulers or a plotting instrument and dividers.	1	1	1	
11.6.	Barometer	1	1	1	
11.7.	Lead line and echo sounder	1	1	1	
11.8.	Radio Navigation System e.g. GPS	1	1	1	1
11.9.	A watch or clock	1	1	1	1
11.10.	Distance measuring log	1	1	1	
11.11.	Binoculars	1	1	1	
11.12.	Sextant and tables	1			
<b>12. First Aid Kit</b>					
12.1.	A first aid kit and manual	1	1	1	1
<b>13. General equipment</b>					
13.1.	Emergency tiller on all wheel steered vessels	1	1	1	1
13.2.	Towing warp (not required if anchor warp is carried)	1	1	1	
13.3.	Mooring warps and fenders	*	*	*	*
13.4.	A waterproof torch	3	2	2	1
13.5.	A rigid or inflatable tender	*	*	*	
13.6.	Tool kits for general, engine, electrical and sail repairs.	*	*	*	*
13.7.	Spares for engine and electrics and bosun's bag of shackles and twine	*	*	*	*
13.8.	Emergency water supply isolated from main tanks	*	*		
13.9.	Emergency repair materials	*	*		
13.10.	Bosun's chair (sit harness BS EN 813 1997)	1	1	1	
* Recommended to be carried but number, method or contents is left up to the judgement of the skipper					
Numbers specify the recommended number of each item to be carried.					
Categories refer to the following ISO Design Categories (found on the vessel's RCD Compliance Documentation):					
A Ocean B Offshore C Inshore D Sheltered Waters					