The Institution of Engineering and Technology

Inspection checklist

Date:

Boat name:	Index/registration number:

	Checklist items	✓	Comment
With system dead			
1	Presence of diagrams, instructions and similar information		
2	Adequacy of access to switchgear and equipment		
3	Presence of danger notices and other warning signs		
4	Identification of conductors		
5	Connection of conductors		
6	Routing of cables and fixing cables including segregation of DC and AC circuits		
7	Presence of suitable cable protection for bulkhead/ compartment cable penetrations, suitable seals and protection against thermal effects		
8	Selection of conductors for current-carrying capacity and voltage drop, in accordance with the design		

		Checklist items	✓	Comment
9		Main earthing terminal, earthing arrangements in accordance with the design including: **(a)** circuit protective conductors **(b)** any protective bonding conductors required		
10		Connection of single-pole devices for protection or switching in AC line conductors only or DC positive conductors only (for negative earth systems)		
11		Choice and setting of protective and monitoring devices (for fault and/or overcurrent protection)		
12		Correct connection of accessories and equipment (including polarity)		
13		Presence of additional protection provided by RCCB or RCBO(s)		
14		Presence of appropriate devices for isolation and switching correctly located (e.g. battery isolation switch(s), AC source selection switch)		
15		Labelling of protective devices, including circuit breakers, RCDs, fuses, switches and terminals, main earthing and bonding connections		

	Checklist items	✓	Comment
16	Selection of equipment and protective measures appropriate to external influences		
17	Battery enclosures suitable for battery type and ventilation requirements		
With system live			
18	Manual operation of circuit breakers, RCCB/RCBOs to prove functionality		
19	Confirmation that integral test button/switch causes RCCB/RCBO to trip when operated (functional check)		

Comments continuation sheet

	Comment