

## Critical or Essential Equipment

### RCP B.6 Requirement

List of critical or essential equipment and systems, the sudden failure of which may place the vessel, crew or environment into a hazardous situation, or procedures to identify such equipment and systems

### Best Practice Example

Management should provide clear instructions on the identification of on-board critical or essential equipment /systems using a documented process. Once identified as essential, the equipment/systems should be listed within the safety management system and included in the vessel's planned maintenance.

Spare parts for critical equipment should be readily available and maintained against an agreed inventory.

### Assessment Considerations

- Worst case scenarios
- Personnel and environmental impact
- Failure response measures
- Replacement and testing
- Back-up equipment and spares
- Operational impact
- Added safety requirements

### Critical Equipment Examples (Actual will be based on your risk assessment)

- Main propulsion
- Generator
- Steering
- Navigation equipment
- Fire fighting
- PPE
- Etc.

### List Format

The list should be in a format that is easy to understand.

<u>Example</u>				
Equipment/System	System Type	Spare Location	Special Requirements	Additional Info.
Wheels, 110X109	Propulsion	TT&L, Paducah & Baton Rouge	Blue Fit	Port Eng. Must witness fit.
Generator	Electrical	Warehouse	75 KW	
Radar	Navigational	Manufacture	Furuno	3 <sup>rd</sup> Party install
Fire Pump	Fire Fighting	On Board	Test weekly	
H2S Monitors	PPE	2 On Board	Test prior to use	
Engine Alarms	Alarms	On Board	Audible & visual	