1. **Purpose**

The purpose of this procedure is to establish the guideline to set forth the responsibilities for the engineers on each of the ships managed by Woods Hole Oceanographic. This designation of responsibilities is set forth in order to systematically allocate the preventative maintenance of the various engineering systems and components on the vessel. This systematic allocation is intended to assist crewmembers to understand their assigned responsibilities, ensure that the various systems on the vessel are assigned to someone for preventative maintenance and to aid in the education of new (to the vessel) personnel as to their responsibilities.

The Chief Engineer has the authority to direct the engineering personnel to perform any repairs or maintenance as deemed necessary. These assignments may even be to those outside of an individual’s area of maintenance responsibility.

It is essential that the members of the engineering department remember that it is the responsibility of every member to take immediate and definitive steps to remedy a piece of equipment found in a failing condition to limit the extent of failure. This is regardless of areas of the responsibilities set forth herein.

2. **Responsibility**

It is the responsibility of the Chief Engineer to designate each system of the vessel to a position name in the engineering department. This designation should happen by position and not by name. Individuals go on vacation and move up and down in positions. Designation by position will establish stability in the preventative maintenance program.

It is recognized that each vessel is different; therefore, a listing of the engineering responsibilities for each vessel is to be maintained in the appropriate section for each individual vessel. The regular Chief Engineer will generate the assignments of engineering responsibilities and have it adopted into the safety management system. As the need may dictate, the Chief Engineer may revise that list of assignments by sending a revised list in to the Safety Management Representative for incorporation into the Safety Management System.
The individual assigned to perform the preventative maintenance shall refer to vendor’s technical manuals, the Maintenance Module of the fleet management system and other reference materials located on the vessel. Maintenance shall be recorded in the fleet management system.

Air Conditioning and Refrigeration 1st Engineer
Bow & Stern Thruster 1st Engineer
Deck Machinery 1st Engineer
Flume Anti-Roll Tank 1st Engineer/Electrician
Main Diesel Electric Generating Sets 1st Engineer/Electrician
Propulsion Shafts, Motors, Bearings and Seals 1st Engineer/Electrician
Including water quality package for strut bearings 1st Engineer
Pumps and Motors 1st Engineer/Electrician

Diesel Oil Purifiers 2nd Engineer
Electric Water Heaters (3) 2nd Engineer/Electrician
Potable Water Systems & Piping: RO’s, Science Evaporator, Ozone System and Pumps 2nd Engineer
Hi-Fog Mist Firefighting System 2nd Engineer
Ice Cube Machine 2nd Engineer
Oil Water Separator 2nd Engineer
Ballast Water Treatment Plant 2nd Engineer

Air Compressors 3rd Engineer
Emergency Diesel 3rd Engineer
Laundry and Galley Equipment 3rd Engineer/Electrician
Machine Shop Equipment 3rd Engineer
Marine Sanitary Device 3rd Engineer
Reach Rods 3rd Engineer
Small Boat Engines 3rd Engineer
Vent Fans, Unit Heaters and Coolers 3rd Engineer/Electrician
Watertight Doors 3rd Engineer
Zincs 3rd Engineer

Motor Generator Sets Electrician
Propulsion Motors Electrician
Propulsion Power Conversion Equipment Electrician