



# MANAGEMENT SYSTEM MANUAL

## ARM-7.5.2 ARMSTRONG DESIGNATED RESPONSIBILITIES OF ENGINEERS

Originator:

Gary McGrath

Approved By:

Albert F. Suchy

### 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.



# MANAGEMENT SYSTEM MANUAL

## ARM-7.5.2 ARMSTRONG DESIGNATED RESPONSIBILITIES OF ENGINEERS

Originator:

Gary McGrath

Approved By:

Albert F. Suchy

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

Including water quality package for strut bearings

1st Engineer

Pumps and Motors

1st Engineer/Electrician

Diesel Oil Purifiers

2<sup>nd</sup> Engineer

Electric Water Heaters (3)

2<sup>nd</sup> Engineer/Electrician

Potable Water Systems & Piping: RO's, Science

Evaporator, Ozone System and Pumps

2<sup>nd</sup> Engineer

Hi-Fog Mist Firefighting System

2<sup>nd</sup> Engineer

Ice Cube Machine

2<sup>nd</sup> Engineer

Oil Water Separator

2<sup>nd</sup> Engineer

Ballast Water Treatment Plant

2<sup>nd</sup> 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