



MANAGEMENT SYSTEM MANUAL

OCN 8.6 R/V Oceanus Loss of Steering

Originator:

Richard Morris

Approved By:

J.L. Coburn, Jr.

1. Purpose

The following procedure outlines Loss of Steering Procedures and instructions for use aboard R/V Oceanus.

2. Responsibility

It is the responsibility of the Chief Engineer to ensure that all engineering personnel respond to Loss of Steering emergencies in a timely manner and to have adequate instructions available to handle those emergencies. The Chief Mate is responsible for the bridge personnel.

3. Procedure

For a Loss of Steering Emergency aboard Oceanus, bridge personnel shall notify the Engineer on Watch that there is a loss of steering. The vessel should come to a full stop if or when it is safe to do so. The Chief Engineer should be notified immediately. The Bridge should be notified as soon as the problem is found or fixed. If there is still a loss of steering, follow the listed procedure.

Follow the "Emergency Steering Instructions" posted in the Steering Room and on the following pages:



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Joy Stick Steering

- A. Call the bridge and establish communications. Ask to have the steering pump selector switch set to the Starboard (Emergency) Pump.
- B. Switch the control on the starboard pump breaker panel (red letter "E") from "Remote" to "Local". The breaker panel is located aft of the helmsman's position.
- C. Switch the selector knob on the red joystick control box from "Bridge Control" to "After Control".
- D. Test the steering. The joystick is the non-follow up type. Watch the rudder angle indicator on the forward bulkhead.
- E. Call the bridge and establish that your gyro repeater is reading correctly. You are now ready to ask the bridge for a course to steer.

Wheel Steering with Power

- A. Call the bridge and establish communications. Ask to have the steering pump selector switch set to the Starboard (Emergency) Pump.
- B. Place the steering wheel in position. *Never reach through the spokes of the wheel!*
- C. Open the two "Yellow" valves in front of the wheel.
- D. Test the steering. Watch the rudder indicator on the forward bulkhead. Approximately 1/2 turn equals five degrees of rudder.
- E. Call the bridge and establish that your gyro repeater is reading correctly. You are now ready to ask the bridge for a course to steer.

Wheel Steering Without Power

- A. Call the bridge and establish communications. Have the bridge shut off both steering pumps or shut off the pumps at the breaker panels aft of the helmsman's position.
- B. Place the steering wheel in position. *Never reach through the spokes of the wheel!*
- C. Open the two "red" valves in front of the wheel.
- D. Test the steering. Watch the rudder indicator on the forward bulkhead. Approximately nine full turns equals five degrees of rudder.
- E. Call the bridge and establish that your gyro repeater is reading correctly. You are now ready to ask the bridge for a course to steer.