

SMM 7.2.2.2 Pre Arrival Engineering Checklist

33CFR164.25

Port: _____

Date & Time: _____

Watch Officer: _____

- ☐ **EDG Control**: Confirm Emergency Diesel Generator control in Auto start position
- ☐ **Diesel Generator Configuration**: Normal DG configuration for maneuvering is as follows: DG #2, DG #3, and one C32 DG online in Semi Auto. DG #2 and DG #3 are priorities #1 and #2. The online C23 shall be pri. #3 and the offline C32, pri. #4.
- ☐ **Bridge Communications**: Test ship's phone, Sound Powered phone, & hand held radio
- ☐ **Stern Drive Rotation**: Shaft RPM shall be reduced to no more than 50 RPM on both Port and Stbd drives; Maintain steering on the Stbd drive and reduce the Port drive to a shaft speed of 30 RPM (30 RPMs must be maintained to ensure that propeller does not rotate backwards when drive is trained astern). Using the Port drive, rotate 360° clockwise, then counterclockwise, stopping every 90°. Repeat the steps above for the Stbd drive.
- ☐ **Bow Thruster Drive Rotation**: Rotate the Bow Thruster 360° clockwise, then counterclockwise, stopping every 90°. Using the 'continuous rotation' function, 'bump test' the Bow Thruster to verify RPM control
- ☐ **Drive Angle Indicators**: Confirm drive angle indicators are following order given.
- ☐ **Steering Gear**: Visually inspect the steering gear in the Propulsion room and Bow Thruster room
- ☐ **Gyro Repeater**: Synchronize gyro repeater in the Propulsion room with Bridge
- ☐ **Engine Order Telegraph**: Cycle through all EOT bells by answering the Bridge's ordered bell
- ☐ **Synchronize Clocks with Bridge**: Confirm current time and time of completed test.
- ☐ **Logbook Entry**: Log test completed in the official Engine Room Logbook.

Deficiencies
