



Comparison of Different ABS Classifications for DPS

I. Vessel Machinery Requirements

- Thrusters / Thruster Prime Movers Rated for Continuous Duty*
- Number of Bow Thrusters Needed

DPS - 0

Required

1

DPS - 1

Required

1

DPS - 2

Required

2

II. Dynamic Positioning Equipment Requirements

A. Basic ABS Guidelines

- Centralized Control Station w/ Automatic Heading Control
- Independent Control Station w/ Automatic Heading Control
- Maintain DP Qualified Position with Loss of any Single Point Failure
- Transfer of Control

Required

Required

Required

Required

Required

Required

Not Required

Manually

Automatically

B. Environmental Sensors

- Positions referencing Systems Needed
- Wind Sensors
- Gyro Compasses
- Vertical Reference Unit
- Signal Processing

1

2

3

1

2

2

1

2

2

0

1

2

Not Required

Not Required

Required

C. Miscellaneous Requirements

- Consequence Analysis and DP Alert System
- Communications between Bridge and Engine Room Control Station
- Power Management
- Uninterruptible Power Supply
- Failure Modes and Effects Analysis (FEMA)
- Uninterruptible Power Supply

Not Required

Not Required

Required

1 Means Req'd

1 Means Req'd

2 Means Req'd

Not Required

Not Required

Required

Not Required

Required

Required

Not Required

Not Required

Required

Not Required

Required

Required