

What are the DP Reference requirements?

Based on [IMO](#) (International Maritime Organization) publication 645^[9] the [Classification Societies](#) have issued rules for Dynamic Positioned Ships described as Class 1, Class 2 and Class 3.

- Equipment Class 1 has no redundancy.
Loss of position may occur in the event of a single fault.
- Equipment Class 2 has redundancy so that no single fault in an active system will cause the system to fail.
Loss of position should not occur from a single fault of an active component or system such as generators, thruster, switchboards, remote controlled valves etc., but may occur after failure of a static component such as cables, pipes, manual valves etc.

Equipment Class 3 which also has to withstand fire or flood in any one compartment without the system failing.