

Classification Societies have their own Class notations:

Description	<a href="#">IMO</a> Equipment Class	<a href="#">LR</a> Equipment Class	<a href="#">DnV</a> Equipment Class	<a href="#">GL</a> Equipment Class	<a href="#">ABS</a> Equipment Class
Manual position control and automatic heading control under specified maximum environmental conditions	–	DP (CM)	DYNPOS–AUTS	–	–
Automatic and manual position and heading control under specified maximum environmental conditions	Class 1	DP (AM)	DYNPOS–AUT	DP 1	DPS–0, DPS–1
Automatic and manual position and heading control under specified maximum environmental conditions, during and following any single fault excluding loss of a compartment. (Two independent computer systems).	Class 2	DP (AA)	DYNPOS–AUTR	DP 2	DPS–2
Automatic and manual position and heading control under specified maximum environmental conditions, during and following any single fault including loss of a compartment due to	Class 3	DP (AAA)	DYNPOS–AUTRO	DP 3	DPS–3

fire or flood. (At least two independent computer systems with a separate backup system separated by A60 class division).

## NMD

Where IMO leaves the decision of which Class applies to what kind of operation to the operator of the DP ship and its client, the Norwegian Maritime Directorate (NMD) has specified what Class should be used in regard to the risk of an operation. In the NMD Guidelines and Notes No. 28, enclosure A four classes are defined:

- Class 0 Operations where loss of position keeping capability is not considered to endanger human lives, or cause damage.
- Class 1 Operations where loss of position keeping capability may cause damage or pollution of small consequence.
- Class 2 Operations where loss of position keeping capability may cause personnel injury, pollution, or damage with large economic consequences.
- Class 3 Operations where loss of position keeping capability may cause fatal accidents, or severe pollution or damage with major economic consequences.

Based on this the type of ship is specified for each operation:

- Class 1 DP units with equipment class 1 should be used during operations where loss of position is not considered to endanger human lives, cause significant damage or cause more than minimal pollution.
- Class 2 DP units with equipment class 2 should be used during operations where loss of position could cause personnel injury, pollution or damage with great economic consequences.
- Class 3 DP units with equipment class 3 should be used during operations where loss of position could cause fatal accidents, severe pollution or damage with major economic consequences.