

## 10. DP Set-up Practical Assessment Skills Table

Competence	Knowledge, Understanding and Proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Take control on the DP operator station	<ol style="list-style-type: none"> <li>1. Change the vessel manoeuvre switch from manual control to DP control (if available)</li> <li>2. Take command on the DP operator station</li> <li>3. Enable all propellers, thrusters and rudders available</li> <li>4. Check available power</li> </ol>	On a Nautical Institute class A or B simulator simulating an IMO DP equipment class 2 operation demonstrate the ability to change from manual control to DP control	Vessel control should be changed from manual levers to DP control and approach carried out in accordance with IMCA M103, M109, M117, M166, M182 and IMO 645 with due regard for the safety for life at sea and protection of the marine environment
Check/enable the sensors	<ol style="list-style-type: none"> <li>1. Check/enable the gyro/compasses in accordance with the vessel's DP classification</li> <li>2. Check/enable the wind sensors in accordance with the vessel's DP classification</li> <li>3. Check/enable the motion sensors in accordance with the vessel's DP classification</li> </ol>	On a Nautical Institute class A or B simulator simulating an IMO DP equipment class 2 operation demonstrate the ability to choose and enable DP sensors equipment required for the intended simulated operation	Required sensors systems should be set up in accordance with IMCA M103, M109, M117, M166, M182 and IMO 645
Enable position reference system(s)	<ol style="list-style-type: none"> <li>1. Select/enable at least one reference system</li> <li>2. Verify it is acquired by the system</li> </ol>	On a Nautical Institute class A or B simulator simulating an IMO DP equipment class 2 operation demonstrate the ability to select/enable and verify the chosen position reference system(s) for the intended simulated operation	Acquired position reference system(s) should be set up in accordance with IMCA M103, M109, M117, M166, M182 and IMO 645

Change to DP joystick manual control mode	<ol style="list-style-type: none"> <li>1. Select DP joystick manual control</li> <li>2. Stabilise position and heading</li> <li>3. Select DP joystick auto heading mode</li> </ol>	On a Nautical Institute class A or B simulator simulating an IMO DP equipment class 2 operation demonstrate the ability to change to DP joystick manual control mode for the intended simulated operation	Acquired DP joystick manual control mode in accordance with IMCA M103, M109, M117, M166, M182 and IMO 645
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Change from DP joystick manual control to DP auto position control mode	<ol style="list-style-type: none"> <li>1. Control the vessel using auto heading/yaw mode</li> <li>2. Control the vessel using auto sway/athwart mode</li> <li>3. Control the vessel using auto surge/alongship mode</li> <li>4. Control the vessel in three axis' (DP auto position mode)</li> </ol>	On a Nautical Institute class A or B simulator simulating an IMO DP equipment class 2 operation demonstrate the ability to change from DP joystick manual control mode to auto position mode for the intended simulated operation	Acquired DP auto position control mode in accordance with IMCA M103 and IMCA M182
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Select and verify DP settings	<ol style="list-style-type: none"> <li>1. Selects an appropriate unit</li> <li>2. Selects an appropriate coordinate system</li> <li>3. Selects an appropriate gain setting</li> <li>4. Set up warnings and alarms</li> <li>5. Check if the power system configuration is in accordance with the vessel's DP classification</li> <li>6. Check thrusters settings</li> </ol>	On a Nautical Institute class A or B simulator simulating an IMO DP equipment class 2 operation demonstrate the ability to select and verify DP system settings for the intended simulated operation	Selected settings are chosen in accordance with the intended simulated operation carried out
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