

Competence 4

Take charge of the Engineering Watch on a DP Vessel, monitoring machinery and responding to mechanical / electrical failure

This meets the requirements of IMCA M/A07/B01/01 to 08

Candidate Name:		Date:	
Activity Number (1,2, or 3):			

Performance Criteria: all of these must be assessed over a minimum of 3 work activities

Type of Evidence: Observation (O), Work Product (P), Written (W), Questioning (Q), Not Covered (N/C) or Not Applicable (N/A)

Performance Criteria		Type of Evidence
a)	Has a valid marine engineering certificate of training and record of competence as a junior engineering officer	
b)	Being conversant with all vessel's engine room standing instructions concerning normal & emergency operations	
c)	Correct configuration of equipment in the normal mode of operations	
d)	Correct configuration of equipment to allow changed operation to auxiliary units on any single failure	
e)	Alarm equipment and the consequences of such alarms	
f)	Handling of black out situation / recovery	
g)	Handling of ESD (emergency shutdown)	
h)	Thorough understanding of vessel FMEA	
i)	General understanding of the DP system installed on the vessel	
j)	Setting up the vessel on DP, understanding reasons for procedures	
k)	Ability to use the engine room control panels whilst on DP	
l)	Use of desk facilities i.e. changing between display pages (dependant upon level of automation)	
m)	Location of position reference input systems and vessel specific limitations	
n)	Location of all DP reference sensors such as gyros / VRUs / anemometers / other vessel specific sensors	
o)	Power supplies for DP computers and thruster control units, including emergency power supplies	
p)	DP alarm sequence and signals i.e. BOP controls & DP status lights etc	
q)	System configurations thruster / main engine / sensors expected in normal & emergency situations and if all changeovers are manual or automatic	
r)	Vessels power generation, distribution and propulsion, including fire and watertight subdivision	
s)	Effects of environment and operations on operating limits in conjunction with machinery set-up	
t)	Assessor - I have discussed the above performance criteria with the candidate and confirm that they have the underpinning knowledge to support their performance in these criteria	
u)	Candidate - write a short report (250 words max) on how you achieved these criteria over the 3 assessed work activities	

Witness name: (If applicable in assessment plan)		Date:	
Assessor name:		Date:	