

Competence 4 Underpinning Knowledge Questions

The ability to undertake all routine preventative maintenance activities that are required to be carried out on electrical subsea equipment

This meets the requirements of IMCA

Refer to the performance criteria for this competence for guidance on the subjects for questions

Candidate Name:		Date:	
<i>N.B, The Assessor may ask the candidate for oral or written responses to questioning</i>			
Underpinning Knowledge Questions			Satisfactory Response?
1	Sketch a block diagram of an electrical system that you work with and describe the function of each block. Indicate the power requirement for each block and the signals present on interconnecting cables?		
2	List the power supplies present on your subsea electrical system and indicate the components that they supply power to		
3	What is meant by a maintenance schedule and who may authorise maintenance activities on a system		
4	Describe how the precautions you would take into account when opening a subsea enclosure prior to carrying out maintenance?		
5	Describe the procedure you would follow to repair a subsea cable		
6	Describe the procedure for cleaning subsea connectors and penetrators		
7	Describe how you would isolate an electrical system prior to working on a High Voltage enclosure		
8	What precautions must you take into account when removing Printed Circuit Boards?		
9	Briefly describe how you can use the diagnostic system to assist in locating one fault on a specific piece of equipment		
10			
Feedback on answers received:			
Witness name: (If applicable in assessment plan)		Date:	
Assessor name:		Date:	