



CBTA

CATEGORY A

Offshore Facilities CBTA Questions

SP/TRN/TM68

Candidate's Name: _____

Candidates Signature: _____

Assessor's Name: _____

Assessor's Signature: _____

Date Completed: CBTA Reassessment: ____/____/____

For first time candidates, the entire CBTA is to be completed. For the purposes of re-assessment only the demonstrative section requires completion.

Written

Question	Answer	Assessor check
Cooper Energy Offshore Production System	Reference: Cooper Energy PFD's (9004-010-PID-0001 & 9025-010-PID-0003)	
Draw a Process Flow Diagram (PFD) of the Cooper Energy Offshore Fields Production System. Include in your PFD: <ul style="list-style-type: none"> • Subsea production wells • Typical configuration of the subsea trees and connections to the pipeline • High Pressure gas offshore pipeline • Umbilical from Main Line Valve (MLV) site out to the subsea trees. • Isolation valves • Major process control valves including flare valves and XSVs 		
Critical Safety and Process Controls	Reference: GP/CA/PC01 & UGS-PC-01	
Document the 3 different types of shutdown systems and what happens offshore. <ul style="list-style-type: none"> • Emergency Shut-Down (ESD) systems • Process Shut-Down (PSD) system • Individual Well Shut-down. (IWS) 		

Oral

Question	Answer	Assessor check
<p>Cooper Energy Offshore Production System</p> <p>Using this PFD talk through the process flow and explain to your assessor the purpose and function of each piece of equipment shown.</p>	<p>Reference: Cooper Energy PFD's (9004-010-PID-0001 & 9025-010-PID-0003)</p>	
<p>Critical Safety and Process Controls</p> <p>Explain to your assessor the 3 different types of shutdown systems and what happens offshore.</p> <ul style="list-style-type: none"> • Emergency Shut-Down (ESD) systems • Process Shut-Down (PSD) system • Individual Well Shut-down. (IWS) 	<p>Reference: GP/CA/PC01 & UGS-PC-01</p>	
<p>Operation of Subsea Wells and Pipeline</p> <p>Describe where the remaining procedures for the operation of the wells and associated equipment are located and how they can be accessed. e.g. Subsea Well Valve Testing Procedure</p>	<p>Reference: IMS</p>	

Demonstrative

Question	Assessor check
<p>Cooper Energy Offshore Production System</p>	
<p>The Casino Production System has a NOPSEMA approved Pipeline Safety Case. Demonstrate to your assessor that you can locate this document in the Technical Library and are familiar with the contents. Reference: CHN-HS-SMP-0001</p>	
<p>Critical Safety and Process Controls</p>	
<p>On the PFD identify the following Operational safety equipment:</p> <ul style="list-style-type: none"> • Surface Controlled Sub-Surface Safety Valve (SSSV) • Local area ESDs <p>Reference: Cooper Energy PFD's</p>	
<p>Operation of Subsea Wells and Pipeline</p>	
<p>Demonstrate and explain operating parameters monitored on a routine basis at the wells and on the pipeline.</p> <ul style="list-style-type: none"> • Identify consequences if allowable parameters are exceeded • Identify appropriate responses if parameters are observed outside allowable parameters. <p>Reference: GP/CA/PC01 & GP/CA/PC24</p>	
<p>Demonstrate Subsea Well start up as per Work Instruction : GP/CA/PC24/WI10 (Keep signed and completed procedure for evidence).</p>	
<p>Demonstrate Subsea Well shutdown as per Work Instruction : GP/CA/PC24/WI11 (Keep signed and completed procedure for evidence).</p>	
<p>Demonstrate Subsea Well Annulus Bleed Off as per Work instruction : GP/CA/PC24/WI02 (Simulation is acceptable) (Keep signed completed procedure for evidence).</p>	

The candidate is assessed as being:

Competent

Not yet competent

Areas requiring improvement:

For first time candidates only:

Department Manager's name: _____

Department Manager's signature: _____

Date: ____/____/_____