

TSC Category	Process Operations Management					
TSC	Control Room Operations Management					
TSC Description	Perform control room operations in order to monitor and control process units and utilities in a safe and reliable condition by using process control Distributed Control System (DCS)					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			ECM-POM-3001-1.1	ECM-POM-4001-1.1		
			Interpret process operational information from the Distributed Control System (DCS) to perform monitoring and control of process units and utilities in all modes of plant operation	Analyse and review process operational information from the Distributed Control System (DCS) to supervise control room operations and to manage process upsets and abnormalities		
Knowledge			<ul style="list-style-type: none"> • Components and features of DCS • Principles of operating DCS including operator stations, keyboards, alarm and equipment status panels, emergency shutdown push buttons • Methods of navigation and access to process parameters, alarms, trends, controller faceplates, process areas and process equipment • Principles of process control and control modes, including manual, local set point and remote set point settings • Methods of relating process flow diagrams and information with operator graphics and information pages 	<ul style="list-style-type: none"> • Components and features of DCS • Principles of supervising DCS operation including operator stations keyboards, alarm and equipment status panels, emergency shutdown push buttons and various control modes and status of DCS • Interrelationships between process units • Techniques for monitoring and controlling process units and utilities • Methods of supervising responses to process upsets • Control room radio operations and communication protocols • Principles of emergency shutdown and unit shutdown • Methodologies and techniques of 		

			<ul style="list-style-type: none"> • Methods of monitoring and controlling process units and utilities • Methods of troubleshooting using DCS • Methods of controlling process upsets • Control room radio operations and communication protocols • Methods of using plant closed-circuit television (CCTV) surveillance systems • Principles of emergency shutdown and unit shutdown 	troubleshooting the process from the process control system		
Abilities			<ul style="list-style-type: none"> • Monitor and control process units and utilities within safe operating limits and parameters • Control process alarms and process upsets • Undertake plant start-up and shutdown activities • Maintain effective radio communication with outside operations personnel • Interpret process operating procedures to support field operations • Support emergency response activities from the control room • Update control room boards and notifications • Maintain process control room documentation 	<ul style="list-style-type: none"> • Supervise control room activities and production teams • Manage plant upsets and process issues • Write and develop shift handover logs • Manage all interfaces with other plant teams • Supervise continual monitoring and control of all process units within safe operating limits and parameters • Supervise process alarms and process upsets • Supervise plant start-up and shutdown activities • Supervise effective radio communications with operations personnel • Supervise emergency response activities from the control room 		