

SSLD Training and Competency Development Plans

SSLD Control Room Operator (CRO) Training and Competency Curriculum:

Course Objective:

Provide training for developing CRO competency and verification (for OTS and non-OTS facilities) to ensure CRO's have the skills and knowledge to manage and execute the proper SSLD response.

Module 1 – General Overview

Learning Objectives:

- Recognize the significance of CRO training (Think Leak First)
- Compare Subsea system vs. pipeline leak detection
- Identify types of leaks
- Identify Rupture Escalation Barrier Components

- Knowledge Check Assessment 3 – 5 Multiple Choice Questions

Module 2 – Monitoring, Diagnostics, Respond

Learning Objectives:

- Discuss the limitations of Alarms and Advanced monitoring
- Identify Monitoring Techniques and Best Practices
 - Review the three (3) subsea leak alarms
 - Conditional Rate of Change (CROC)
 - Flow Management Tool
 - Alternate indications of potential subsea leak
- Identify Anomalies and diagnostics
 - Review diagnostic steps to validate or invalidate an alarm
 - Review Flow Assurance Flow Chart for a Suspected Subsea Leak
- Identify Response Actions Required
 - Review time requirements for specific actions
 - Demonstrate how to use Tools (Exercise, checklists, decision matrix/trees, etc.)
 - Review proper notification requirements (What/Who/When)

- Knowledge Check Assessment 3 – 5 Multiple Choice Questions

Module 3 – Operator Training Simulator (OTS) scenario

Learning Objectives:

- Review scenario specific to subsea leak
 - Leak detection and response
- Knowledge Check Assessment 3 – 5 Multiple Choice or problem-solving Questions
- Diagnostics Exercise – Non-OTS facilities

Final Assessment 10 – 15 Questions Multiple choice/problem solving

Assessment - OTS Leak Detection Simulation or Instructor-led software PowerPoint Simulation