

Task Category	Course Library	Task #	Task Name	Training	Knowledge Assessment	Skills Assessment
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT02.3	Repair or Replace Damaged Test Lead	Included in CT02	Included in CT02	Separate or Included in CT02
Process Equipment & Instrumentation	Topside	CT0221	Inspect, Test, and Maintain Temperature Transmitters	✓	✓	✓
Process Equipment & Instrumentation	Topside	CT0241	Operate, Maintain, and Configure Flow Computers	✓	✓	✓
Valves & Controls	Topside	CT0261	Inspection, Testing, and Corrective and Preventative Maintenance of Tank Gauging	✓	✓	✓
Process Equipment & Instrumentation	Topside	CT0271	Prove Flow Meters for Hazardous Liquid Leak Detection	✓	✓	✓
Process Equipment & Instrumentation	Partial Skills	CT0271WD	Prove Flow Meters for Hazardous Liquid Leak Detection: Water Draw	X	X	✓
Process Equipment & Instrumentation	Topside	CT0281	Maintain Flow Meters	✓	✓	✓
Process Equipment & Instrumentation	Partial Skills	CT0281C	Maintain Flow Meters: Coriolis	Included in CT0281	Included in CT0281	✓
Process Equipment & Instrumentation	Partial Skills	CT0281M	Maintain Flow Meters: Magmeter	Included in CT0281	Included in CT0281	✓
Process Equipment & Instrumentation	Partial Skills	CT0281O	Maintain Flow Meters: Orifice	Included in CT0281	Included in CT0281	✓
Process Equipment & Instrumentation	Partial Skills	CT0281PD	Maintain Flow Meters: Positive Displacement	Included in CT0281	Included in CT0281	✓
Process Equipment & Instrumentation	Partial Skills	CT0281T	Maintain Flow Meters: Turbine	Included in CT0281	Included in CT0281	✓
Process Equipment & Instrumentation	Partial Skills	CT0281TM	Maintain Flow Meters: Thermal Mass	Included in CT0281	Included in CT0281	✓
Process Equipment & Instrumentation	Partial Skills	CT0281U	Maintain Flow Meters: Ultrasonic	Included in CT0281	Included in CT0281	✓
Process Equipment & Instrumentation	Partial Skills	CT0281V	Maintain Flow Meters: Vortex	Included in CT0281	Included in CT0281	✓
Process Equipment & Instrumentation	Topside	CT0291	Inspect, Test, and Maintain Densitometers and Gravimeters	✓	✓	✓
Corrosion Control - Cathodic Protection & Monitoring	Topside	CT03	Inspect Cathodic Protection Rectifiers	✓	✓	✓
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT03.1	Rectifier Voltage and Current Inspection	Included in CT03	Included in CT03	Separate or Included in CT03
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT03.2	Cathodic Protection Rectifiers On/Off Test	Included in CT03	Included in CT03	Separate or Included in CT03
Corrosion Control - Cathodic Protection & Monitoring	Topside	CT04	Cathodic Protection Rectifier Maintenance and Repair	✓	✓	✓
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT04.1	Troubleshoot and Repair Rectifier	Included in CT04	Included in CT04	Separate or Included in CT04
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT04.2	Adjust a Rectifier	Included in CT04	Included in CT04	Separate or Included in CT04
Pipeline Operations	Topside	CT0451	Manual Startup and Shutdown of Pumps	✓	✓	✓
Pipeline Operations	Partial Skills	CT0451.2	Startup of a Pump in the Pipeline System at the Driver Control Panel	Included in CT0451	Included in CT0451	Separate or Included in CT0451
Pipeline Operations	Partial Skills	CT0451.3	Shutdown of a Pump in the Pipeline System at the Driver Control Panel	Included in CT0451	Included in CT0451	Separate or Included in CT0451
Inspection	Topside	CT05	Electrically Inspect Bare Pipe	✓	✓	✓
Inspection	Partial Skills	CT05.2	Soil Resistivity Measurement	Included in CT05	Included in CT05	Separate or Included in CT05
Inspection	Partial Skills	CT05.3	Soil-To-Soil Potential Survey	Included in CT05	Included in CT05	Separate or Included in CT05
Inspection	Topside	CT0591	Leak Test at Operating Pressure	✓	✓	✓
Corrosion Control - Coatings	Topside	CT06	Prevention of Atmospheric Corrosion	✓	✓	✓
Corrosion Control - Coatings	Partial Skills	CT06.2	Inspection of Coatings	Included in CT06	Included in CT06	Separate or Included in CT06
Corrosion Control - Coatings	Partial Skills	CT06.2.1	Visual Inspection of Coatings	Included in CT06	Included in CT06	✓
Corrosion Control - Coatings	Partial Skills	CT06.2.2	Perform Coating Inspection	Included in CT06	Included in CT06	✓

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Corrosion Control - Coatings	Partial Skills	CT06.3	Perform Surface Preparation	Included in CT06	Included in CT06	Separate or Included in CT06
Corrosion Control - Coatings	Partial Skills	CT06.3.1	Perform Surface Preparation - Dry Abrasive Blasting	Included in CT06	Included in CT06	✓
Corrosion Control - Coatings	Partial Skills	CT06.3.2	Perform Surface Preparation - Abrasive Water Blasting	Included in CT06	Included in CT06	✓
Corrosion Control - Coatings	Partial Skills	CT06.3.3	Perform Surface Preparation - Hand or Power Tools or Solvents	Included in CT06	Included in CT06	✓
Corrosion Control - Coatings	Partial Skills	CT06.4	Perform Coating Application	Included in CT06	Included in CT06	Separate or Included in CT06
Corrosion Control - Coatings	Partial Skills	CT06.4.1	Perform Coating Application - Hand Application Methods	Included in CT06	Included in CT06	✓
Corrosion Control - Coatings	Partial Skills	CT06.4.2	Perform Coating Application - Spray Application Methods	Included in CT06	Included in CT06	✓
Corrosion Control - Coatings	Partial Skills	CT06.4.3	Perform Coating Application - Wrapped Methods	Included in CT06	Included in CT06	✓
Inspection	Topside	CT06J	Electrical Inspection of Coatings (Jeeping)	✓	✓	✓
Inspection	Topside	CT07	Measure Wall Thickness of Pipe	✓	✓	✓
Inspection	Partial Skills	CT07.2	Measure Pit Depth with Pit Gauge	Included in CT07	Included in CT07	Separate or Included in CT07
Inspection	Partial Skills	CT07.3	Measure Pipe Wall Thickness with Ultrasonic Thickness Meter	Included in CT07	Included in CT07	Separate or Included in CT07
Inspection	Partial Skills	CT07.4	Collect RSTRENG Data	Included in CT07	Included in CT07	Separate or Included in CT07
Maintenance & Repair	Topside	CT0721	Joining of Pipe: Threaded Joints	✓	✓	✓
Corrosion Control - Cathodic Protection & Monitoring	Topside	CT08	Conducting Cathodic Protection Remediation	✓	✓	✓
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT08.1	Electrical Bond Installation	Included in CT08	Included in CT08	Separate or Included in CT08
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT08.2	Anode Installation	Included in CT08	Included in CT08	Separate or Included in CT08
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT08.3	Transformer/Rectifier Installation	Included in CT08	Included in CT08	Separate or Included in CT08
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT08.4	Test Station Installation	Included in CT08	Included in CT08	Separate or Included in CT08
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT08.5	Thermite Welding Procedure	Included in CT08	Included in CT08	Separate or Included in CT08
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT08.6	Locate, Monitor, and Clear Shorted Casing	Included in CT08	Included in CT08	Separate or Included in CT08
Corrosion Control - Coatings	Topside	CT09	Monitoring for Internal Corrosion	✓	✓	✓
Corrosion Control - Coatings	Partial Skills	CT09.1	Extract or Insert Corrosion Coupons	Included in CT09	Included in CT09	Separate or Included in CT09
Corrosion Control - Coatings	Partial Skills	CT09.2	Remove and Insert Corrosion Probes	Included in CT09	Included in CT09	Separate or Included in CT09
Corrosion Control - Coatings	Partial Skills	CT09.3	Collecting a Sample of Pipeline Contents	Included in CT09	Included in CT09	Separate or Included in CT09
Inspection	Topside	CT10	Inspect (Examine) Buried Pipe When Exposed	✓	✓	✓
Inspection	Partial Skills	CT10.1	Inspect for Physical Damage	Included in CT10	Included in CT10	Separate or Included in CT10
Inspection	Partial Skills	CT10.2	Physical Abnormalities Inspection: Pipe Coating Damage	Included in CT10	Included in CT10	Separate or Included in CT10
Inspection	Partial Skills	CT10.3	Physical Abnormalities Inspection: Corrosion	Included in CT10	Included in CT10	Separate or Included in CT10
Maintenance & Repair	Topside	CT1081	Tapping a Pipeline (Tap Diameter 2 Inches or Less)	✓	✓	✓
Maintenance & Repair	Topside	CT1082	Install Completion Plugs (Tap Diameter 2 Inches or Less)	X	X	✓
Valves & Controls	Topside	CT11	Inspect, Test, and Calibrate Overfill Protective Devices	✓	✓	✓
Corrosion Control - Cathodic Protection & Monitoring	Topside	CT12	Internal Corrosion Remediation	✓	✓	✓

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Damage Prevention	Topside	CT1291	Locate Underground Pipelines	✓	✓	✓
Inspection	Topside	CT13	Inspect Internal Pipe Surfaces	✓	✓	✓
Damage Prevention	Topside	CT1301	Install and Maintain Pipeline Markers	✓	✓	✓
Corrosion Control - Coatings	Topside	CT14	Application and Repair of External Coatings	✓	✓	✓
Corrosion Control - Coatings	Partial Skills	CT14.1	Identify and Describe the Different Types of External Coatings and How They are Applied	Included in CT14	Included in CT14	Separate or Included in CT14
Corrosion Control - Coatings	Partial Skills	CT14.2	Apply and Repair External Coatings	Included in CT14	Included in CT14	Separate or Included in CT14
Damage Prevention	Topside	CT15	Placing and Maintaining Line Markers	✓	✓	✓
Damage Prevention	Partial Skills	CT15.2	Locate a Pipeline	Included in CT15	Included in CT15	Separate or Included in CT15
Damage Prevention	Partial Skills	CT15.3	Install a Line Marker	Included in CT15	Included in CT15	Separate or Included in CT15
Damage Prevention	Partial Skills	CT15.4	Inspect and Maintain Line Markers	Included in CT15	Included in CT15	Separate or Included in CT15
Inspection	Topside	CT16A	Inspect Surface Conditions of Right-of-Way and Perform Leak Surveys (Aerial Patrols)	X	X	✓
Inspection	Topside	CT16G	Inspect Surface Conditions of Right-of-Way and Perform Leak Surveys (Gas Pipeline)	✓	✓	✓
Inspection	Partial Skills	CT16G.1	Inspect Surface Conditions of Right-of-Way	Included in CT16G	Included in CT16G	Separate or Included in CT16G
Inspection	Partial Skills	CT16G.2	Perform Gas Leakage Surveys	Included in CT16G	Included in CT16G	Separate or Included in CT16G
Inspection	Topside	CT16L	Inspect Surface Conditions of Right-of-Way and Perform Leak Surveys (Liquid Pipeline)	✓	✓	✓
Inspection	Topside	CT17	Inspect Navigable Waterway Crossing	✓	✓	✓
Tanks	Topside	CT18	Inspection of Breakout Tanks	✓	✓	✓
Tanks	Partial Skills	CT18.2	Inspection of Breakout Tanks in Accordance with API Standards 653	Included in CT18	Included in CT18	Separate or Included in CT18
Tanks	Partial Skills	CT18.2.1	Routine Inspection of Breakout Tanks	Included in CT18	Included in CT18	Separate or Included in CT18
Tanks	Partial Skills	CT18.3	Inspection of Breakout Tanks in Accordance with API Standards 510	Included in CT18	Included in CT18	Separate or Included in CT18
Tanks	Partial Skills	CT18.4	Inspection of Other Breakout Tanks	Included in CT18	Included in CT18	Separate or Included in CT18
Damage Prevention	Topside	CT19	Provide Temporary Marking of Buried Pipeline Prior to Excavation	✓	✓	✓
Damage Prevention	Partial Skills	CT19.2	Locate a Pipeline	Included in CT19	Included in CT19	Separate or Included in CT19
Damage Prevention	Partial Skills	CT19.3	Install Temporary Pipeline Markers	Included in CT19	Included in CT19	Separate or Included in CT19
Damage Prevention	Partial Skills	CT19.4	Inspect and Maintain Temporary Line Markers	Included in CT19	Included in CT19	Separate or Included in CT19
Inspection	Topside	CT20	Inspection Following Excavation Activities and Leak Survey After Blasting	✓	✓	✓
Inspection	Partial Skills	CT20.1	Function of Inspection Procedures and Leak Surveys	Included in CT20	Included in CT20	Separate or Included in CT20
Inspection	Partial Skills	CT20.2	Utilize Leak Survey Techniques	Included in CT20	Included in CT20	Separate or Included in CT20
Inspection	Partial Skills	CT20.3	Monitor for Pressure Loss	Included in CT20	Included in CT20	Separate or Included in CT20
Inspection	Topside	CT21	Provide Security for Pipeline Facilities	✓	✓	✓
Valves & Controls	Topside	CT22	Inspect Valves	✓	✓	✓
Valves & Controls	Partial Skills	CT22.2	Routine Walk Around Inspection	Included in CT22	Included in CT22	Separate or Included in CT22
Valves & Controls	Partial Skills	CT22.4	Function Test	Included in CT22	Included in CT22	Separate or Included in CT22

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Valves & Controls	Topside	CT23	Repair Valves	✓	✓	✓
Valves & Controls	Partial Skills	CT23.2	Repair Valves	Included in CT23	Included in CT23	Separate or Included in CT23
Valves & Controls	Partial Skills	CT23.3	Repair Actuators/Operators	Included in CT23	Included in CT23	Separate or Included in CT23
Valves & Controls	Partial Skills	CT23.3.1	Repair Valve Actuator/Operator, Pneumatic	Included in CT23	Included in CT23	✓
Valves & Controls	Partial Skills	CT23.3.2	Repair Valve Actuator/Operator, Hydraulic	Included in CT23	Included in CT23	✓
Valves & Controls	Partial Skills	CT23.3.3	Repair Valve Actuator/Operator, Electric	Included in CT23	Included in CT23	✓
Valves & Controls	Topside	CT24	Inspect, Test, and Calibrate Relief Valves	✓	✓	✓
Valves & Controls	Topside	CT25	Maintain/Repair Relief Valves	✓	✓	✓
Valves & Controls	Topside	CT26	Inspect, Test, and Calibrate Pressure Limiting Devices	✓	✓	✓
Valves & Controls	Topside	CT26.3	Inspect, Test, and Calibrate Pressure Limiting Devices	Included in CT26	Included in CT26	Separate or Included in CT26
Valves & Controls	Topside	CT26.4	Maintain and Repair Pressure Limiting Devices	Included in CT26	Included in CT26	Separate or Included in CT26
Valves & Controls	Topside	CT27	Inspect, Test, and Calibrate Pressure Switches and Transmitters	✓	✓	✓
Valves & Controls	Topside	CT28	Verifying or Setting Protection Parameters for Programmable Controllers and/or Instrumentation Control Loops	✓	✓	✓
Maintenance & Repair	Topside	CT29	Moving In-Service Pipe	✓	✓	✓
Maintenance & Repair	Partial Skills	CT29.1	Determine Allowable Line Pressure in Section to be Moved	Included in CT29	Included in CT29	Separate or Included in CT29
Maintenance & Repair	Partial Skills	CT29.2	Prepare for Pipeline Movement Activities	Included in CT29	Included in CT29	Separate or Included in CT29
Maintenance & Repair	Partial Skills	CT29.3	Moving In-Service Pipe	Included in CT29	Included in CT29	Separate or Included in CT29
Inspection	Topside	CT30	Inspect Existing Pipe Following Movement	✓	✓	✓
Inspection	Topside	CT31	Inspection of Clearance of Existing Pipe to Underground Structures Installed by Excavation, Boring, and Directional Drilling	✓	✓	✓
Inspection	Partial Skills	CT31.1	Inspection for Clearance of Existing Pipe to Underground Structures	Included in CT31	Included in CT31	Separate or Included in CT31
Inspection	Partial Skills	CT31.2	Ensure Minimum Clearances, Interference, and Corrosion Control Tests are Performed During Installation of Foreign Pipelines or Structures	Included in CT31	Included in CT31	Separate or Included in CT31
Maintenance & Repair	Topside	CT32	Abandoning, Safe Disconnect, Purging, and Sealing of Pipeline Facilities	✓	✓	✓
Maintenance & Repair	Partial Skills	CT32.2	Safely Disconnect Pipeline Facilities	Included in CT32	Included in CT32	Separate or Included in CT32
Maintenance & Repair	Partial Skills	CT32.3	Purge Pipeline Facilities	Included in CT32	Included in CT32	Separate or Included in CT32
Maintenance & Repair	Partial Skills	CT32.4	Seal a Disconnected Portion of a Pipeline	Included in CT32	Included in CT32	Separate or Included in CT32
Maintenance & Repair	Topside	CT33	Installation, Replacement, or Repair of Support Structures on Existing or New Aboveground Components	✓	✓	✓
Maintenance & Repair	Partial Skills	CT33.1	Replacement or Repair of Support Structures on Existing or New Aboveground Components	Included in CT33	Included in CT33	Separate or Included in CT33
Maintenance & Repair	Partial Skills	CT33.2	Install Additional or Revised Support Structure Elements to Existing Aboveground Structures	Included in CT33	Included in CT33	Separate or Included in CT33
Inspection	Topside	CT34	Inspection Activities for Tie-Ins, Pipe Replacements, or Other Components Connecting to an Existing Pipeline	✓	✓	✓
Inspection	Partial Skills	CT34.2	Perform Pre-Installation Requirements (Visually Inspect Pipe and Pipe Components)	Included in CT34	Included in CT34	Separate or Included in CT34
Inspection	Partial Skills	CT34.3	Verify Welder & NDT Personnel Qualifications (Verify Non-Destructive Weld Test)	Included in CT34	Included in CT34	Separate or Included in CT34
Inspection	Partial Skills	CT34.4	Ensure Proper Installation to Meet Requirements (Visually Inspect that Welds Meet DOT Requirements)	Included in CT34	Included in CT34	Separate or Included in CT34
Damage Prevention	Topside	CT35	Backfilling a Trench Following Maintenance	✓	✓	✓

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Damage Prevention	Partial Skills	CT35.2	Perform Backfilling Operations Following Maintenance	Included in CT35	Included in CT35	Separate or Included in CT35
Damage Prevention	Partial Skills	CT35.3	Proper Use of a Tamping Tool and Backhoe	Included in CT35	Included in CT35	Separate or Included in CT35
Damage Prevention	Partial Skills	CT35.4	Determine Amount of Cover	Included in CT35	Included in CT35	Separate or Included in CT35
Maintenance & Repair	Topside	CT36.2	Install Welded Tight Fitting Sleeves	✓	✓	✓
Maintenance & Repair	Topside	CT36.3	Perform Over-sleeve Repair	✓	✓	✓
Maintenance & Repair	Topside	CT36.4	Perform Composite Wrap Sleeve Repair	✓	✓	✓
Maintenance & Repair	Topside	CT36.5	Install Mechanical Split Sleeve Repair	✓	✓	✓
Maintenance & Repair	Topside	CT36.6	Install Mechanical Coupling	✓	✓	✓
Maintenance & Repair	Topside	CT36.7	Perform Hot Tapping	✓	✓	✓
Maintenance & Repair	Topside	CT36.8	Install Pipeline Plugs	✓	✓	✓
Maintenance & Repair	Topside	CT36.9	Install Completion Plugs	✓	✓	✓
Maintenance & Repair	Topside	CT37	Conduct Pressure Test	✓	✓	✓
Inspection	Topside	CT38	Maintenance Welding on Pipelines	✓	✓	✓
Inspection	Partial Skills	CT38.2	Direct the Repair of Arc Burns	Included in CT38	Included in CT38	Separate or Included in CT38
Inspection	Partial Skills	CT38.3	Direct the Repair of Defective Welds Without Cracks	Included in CT38	Included in CT38	Separate or Included in CT38
Inspection	Partial Skills	CT38.4	Direct the Repair of a Cover Pass on a Weld Containing Defect Other than a Crack	Included in CT38	Included in CT38	Separate or Included in CT38
Inspection	Partial Skills	CT38.5	Direct the Repair of Butt Welds Containing Cracks	Included in CT38	Included in CT38	Separate or Included in CT38
Inspection	Partial Skills	CT38.6	Direct the Repair of a Previously Repaired Area	Included in CT38	Included in CT38	Separate or Included in CT38
Inspection	Partial Skills	CT38.7	Direct the Replacement of a Weld or Cylinder of Pipe	Included in CT38	Included in CT38	Separate or Included in CT38
Pipeline Operations	Topside	CT39	Operations of a Pipeline System (Pipeline Facility)	✓	✓	✓
Pipeline Operations	Partial Skills	CT39.1	Pipeline Startup Procedures	Included in CT39	Included in CT39	Separate or Included in CT39
Pipeline Operations	Partial Skills	CT39.2	Pipeline Shutdown Procedures	Included in CT39	Included in CT39	Separate or Included in CT39
Pipeline Operations	Partial Skills	CT39.3	Monitoring and Maintenance of Pressures, Flows, and Line Integrity	Included in CT39	Included in CT39	Separate or Included in CT39
Pipeline Operations	Partial Skills	CT39.4	Operate Valves Using Manual or Remote Methods	Included in CT39	Included in CT39	Separate or Included in CT39
Pipeline Operations	Topside	CT39F	Field Operations of a Pipeline System	✓	✓	✓
Pipeline Operations	Partial Skills	CT39F.1	Identify Field Operation Activities Associated with the Safe Startup of a Pipeline	Included in CT39F	Included in CT39F	Separate or Included in CT39F
Pipeline Operations	Partial Skills	CT39F.2	Identify Field Operation Activities Associated with the Safe Shutdown of a Pipeline	Included in CT39F	Included in CT39F	Separate or Included in CT39F
Pipeline Operations	Partial Skills	CT39F.3	Monitor and Maintain Pressures, Flows, Communications, and Line Integrity	Included in CT39F	Included in CT39F	Separate or Included in CT39F
Pipeline Operations	Partial Skills	CT39F.4	Operate Valves Using Manual or Remote Methods	Included in CT39F	Included in CT39F	Separate or Included in CT39F
Pipeline Operations	Topside	CT40	CPM (Computational Pipeline Monitoring) Leak Detection	✓	✓	✓
Pipeline Operations	Partial Skills	CT40.2	Test, Calibrate, Repair, and Maintain CPM Equipment	Included in CT40	Included in CT40	Separate or Included in CT40
Pipeline Operations	Partial Skills	CT40.3	Design Specifications of Leak Detection System	Included in CT40	Included in CT40	Separate or Included in CT40
Inspection	Topside	CT41	Operate Pressure Relieving Devices for Launching and Receiving Facilities	✓	✓	✓

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Inspection	Partial Skills	CT41.2	Sequence of Events Needed to Isolate, Relieve Pressure, and Drain Fluids from the Launcher Barrel	Included in CT41	Included in CT41	Separate or Included in CT41
Inspection	Partial Skills	CT41.3	Procedure Involved with Launching a Pig	Included in CT41	Included in CT41	Separate or Included in CT41
Inspection	Partial Skills	CT41.5	Procedure Involved with Receiving a Pig	Included in CT41	Included in CT41	Separate or Included in CT41
Inspection	Partial Skills	CT41.6	Sequence of Events Needed to Isolate, Relieve Pressure, and Drain Fluids from the Receiver Barrel	Included in CT41	Included in CT41	Separate or Included in CT41
Valves & Controls	Topside	CT42	Performing Maintenance on Valves	✓	✓	✓
Valves & Controls	Partial Skills	CT42.1	Perform Valve Body Winterization or Corrosion Inhibition	Included in CT42	Included in CT42	Separate or Included in CT42
Valves & Controls	Partial Skills	CT42.2	Perform Valve Lubrication	Included in CT42	Included in CT42	Separate or Included in CT42
Valves & Controls	Partial Skills	CT42.3	Perform Valve Seat Sealing	Included in CT42	Included in CT42	Separate or Included in CT42
Valves & Controls	Partial Skills	CT42.4	Perform Valve Stem Packing Maintenance	Included in CT42	Included in CT42	Separate or Included in CT42
Valves & Controls	Partial Skills	CT42.5	Adjust Actuator/Operator	Included in CT42	Included in CT42	Separate or Included in CT42
Valves & Controls	Partial Skills	CT42.5.1	Adjust Actuator/Operator: Electric	X	X	✓
Valves & Controls	Partial Skills	CT42.5.2	Adjust Actuator/Operator: Pneumatic	X	X	✓
Valves & Controls	Partial Skills	CT42.5.3	Adjust Actuator/Operator: Hydraulic	X	X	✓
Maintenance & Repair	Topside	CT43	Perform Flange Bolting Procedures	✓	✓	✓
Maintenance & Repair	Partial Skills	CT43.1	Identify Hazards and Perform Hot Bolting	Included in CT43	Included in CT43	Separate or Included in CT43
Maintenance & Repair	Partial Skills	CT43.2	Perform Flange Assembly Procedures (Make-Up)	Included in CT43	Included in CT43	Separate or Included in CT43
Maintenance & Repair	Partial Skills	CT43.3	Perform Flange Disassembly Procedures (Break-Out)	Included in CT43	Included in CT43	Separate or Included in CT43
Maintenance & Repair	Topside	CT44	Tubing and Tube Fitting Handling and Installation	✓	✓	✓
Maintenance & Repair	Partial Skills	CT44.2	Demonstrate the Correct Methods for Handling Tubing, Tube Fittings, and Tubing Components	Included in CT44	Included in CT44	Separate or Included in CT44
Maintenance & Repair	Partial Skills	CT44.3	Design or Verify a Correct Layout of a Tubing System	Included in CT44	Included in CT44	Separate or Included in CT44
Maintenance & Repair	Partial Skills	CT44.4	Correctly Cut and De-burr Metal Tubing	Included in CT44	Included in CT44	Separate or Included in CT44
Maintenance & Repair	Partial Skills	CT44.5	Perform a Correct 90 Degree Bend of Metal Tubing	Included in CT44	Included in CT44	Separate or Included in CT44
Maintenance & Repair	Partial Skills	CT44.6	Perform Installation of Small Diameter Compression Tube Fittings	Included in CT44	Included in CT44	Separate or Included in CT44
Inspection	Topside	CT45	Perform Leakage Survey	✓	✓	✓
Inspection	Partial Skills	CT45.2	Perform Visual Surveys for Pipeline Leakage	Included in CT45	Included in CT45	Separate or Included in CT45
Inspection	Partial Skills	CT45.3	Perform Pipeline Leakage Survey Using a Combustible Gas Detector	Included in CT45	Included in CT45	Separate or Included in CT45
Inspection	Partial Skills	CT45.4	Perform Pipeline Leakage Survey Using a Flame Ionization Detector	Included in CT45	Included in CT45	Separate or Included in CT45
Inspection	Partial Skills	CT45.5	Perform Pipeline Leakage Survey Using an Optical Methane Detector	Included in CT45	Included in CT45	Separate or Included in CT45
Inspection	Partial Skills	CT45.6	Perform Pipeline Leakage Survey Using a Remote Methane Leak Detector	Included in CT45	Included in CT45	Separate or Included in CT45
Gas Specific	Topside	CT46	Vault Maintenance	✓	✓	✓
Corrosion Control - Cathodic Protection & Monitoring	Topside	CT47	Install Electrical Insulating Device	✓	✓	✓
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT47.2	Flange or Dielectric Union Isolation/Insulation	Included in CT47	Included in CT47	Separate or Included in CT47
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT47.3	Isolation Joints	Included in CT47	Included in CT47	Separate or Included in CT47

Task Category	Course Library	Task #	Task Name	Training	Knowledge Assessment	Skills Assessment
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT47.4	Lightning and Ground Fault Protection	Included in CT47	Included in CT47	Separate or Included in CT47
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT47.5	Electrical Isolation from Electrical Grounding	Included in CT47	Included in CT47	Separate or Included in CT47
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT47.6	Aboveground Piping Isolation from Other Buried Structures	Included in CT47	Included in CT47	Separate or Included in CT47
Corrosion Control - Cathodic Protection & Monitoring	Partial Skills	CT47.7	Casing Isolation/Insulation	Included in CT47	Included in CT47	Separate or Included in CT47
Maintenance & Repair	Topside	CT48	Purge a Pipeline	✓	✓	✓
Maintenance & Repair	Partial Skills	CT48.2	Purging Hydrocarbons from a Pipeline	Included in CT48	Included in CT48	Separate or Included in CT48
Maintenance & Repair	Partial Skills	CT48.3	Purging Air From a Pipeline	Included in CT48	Included in CT48	Separate or Included in CT48
Maintenance & Repair	Partial Skills	CT48.4	Purging Pipeline with Product	Included in CT48	Included in CT48	Separate or Included in CT48
Inspection	Topside	CT50	Testing an Emergency Shutdown Device	✓	✓	✓
Maintenance & Repair	Topside	CT51	Perform Incremental Pressure Increases to Uprate MAOP	✓	✓	✓
Gas Specific	Topside	CT52	Operate Odorant Equipment	✓	✓	✓
Gas Specific	Partial Skills	CT52.2	Determine Odorant Injection Rates and Test for Odorant Levels	Included in CT52	Included in CT52	Separate or Included in CT52
Gas Specific	Partial Skills	CT52.4	Inspection and Repair of Odorant Injection Systems	Included in CT52	Included in CT52	Separate or Included in CT52
Gas Specific	Topside	CT54	Gas Detection and Alarm System Maintenance and Performance Testing	✓	✓	✓
Gas Specific	Topside	CT55	Isolation of Gas Compressor Unit	✓	✓	✓
Gas Specific	Partial Skills	CT55.1	Isolate a Gas Compressor Unit	Included in CT55	Included in CT55	Separate or Included in CT55
Gas Specific	Partial Skills	CT55.2	Prepare an Isolated Compressor Unit for Start-up	Included in CT55	Included in CT55	Separate or Included in CT55
Gas Specific	Topside	CT56	Compressor Station Inspection and Testing of Remote Control Shutdown Devices	✓	✓	✓
Gas Specific	Topside	CT57	Startup, Shutdown, and Operation of a Turbine Driven Gas Compressor Unit	✓	✓	✓
Gas Specific	Partial Skills	CT57.2	Startup Turbine Driven Gas Compressor Unit	Included in CT57	Included in CT57	Separate or Included in CT57
Gas Specific	Partial Skills	CT57.3	Shutdown Turbine Driven Gas Compressor Unit	Included in CT57	Included in CT57	Separate or Included in CT57
Gas Specific	Partial Skills	CT57.4	Operating Turbine Driven Gas Compressor Unit	Included in CT57	Included in CT57	Separate or Included in CT57
Gas Specific	Topside	CT58	Startup, Shutdown, and Operation of an Engine Driven Gas Compressor Unit	✓	✓	✓
Gas Specific	Partial Skills	CT58.2	Startup Engine Driven Gas Compressor Unit	Included in CT58	Included in CT58	Separate or Included in CT58
Gas Specific	Partial Skills	CT58.3	Shutdown Engine Driven Gas Compressor Unit	Included in CT58	Included in CT58	Separate or Included in CT58
Gas Specific	Partial Skills	CT58.4	Operating Engine Driven Gas Compressor Unit	Included in CT58	Included in CT58	Separate or Included in CT58
Maintenance & Repair	Topside	CT59	Install and Monitor Vapor Barriers	Coming Soon	Coming Soon	✓
AOC	Topside	CT60	General Abnormal Operating Conditions	✓	✓	X
Documentation	Topside	CT61	Documentation, Reporting, and OQ Record Keeping	✓	✓	✓
Documentation	Partial Skills	CT61.1	Identify and Maintain Required Documentation	Included in CT61	Included in CT61	Separate or Included in CT61
Documentation	Partial Skills	CT61.2	Identify Accidents or Incidents that Require Reporting	Included in CT61	Included in CT61	Separate or Included in CT61
Documentation	Partial Skills	CT61.3	Identify Operator Qualifications Record Keeping Requirements	Included in CT61	Included in CT61	Separate or Included in CT61
Inspection	Topside	CT62	Inspecting and Remediating Pipeline Hazard Protection	✓	✓	✓

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Tanks	Topside	CT63	Inspect Tank Pressure Vacuum Breakers	✓	✓	✓
Damage Prevention	Topside	CT65	Damage Prevention During Excavation Activities by or on Behalf of the Operator	✓	✓	✓
Maintenance & Repair	Topside	CT100	Cold Cutting	X	X	✓
Maintenance & Repair	Topside	CT110	Grinding, Sanding, or Buffing on Steel Pipeline	✓	✓	✓
Plastic Pipe	Distribution	CT192-1002	Plastic Pipe: Electrofusion	✓	✓	✓
Plastic Pipe	Distribution	CT192-1003	Plastic Pipe: Butt Heat Fusion	✓	✓	✓
Plastic Pipe	Distribution	CT192-1004	Plastic Pipe: Sidewall Heat Fusion	✓	✓	✓
AOC	Topside	CTCLF	Catastrophic Line Failure	✓	✓	X
AOC	Topside	CTCRE	Control Room Emergency Response	✓	✓	X
Underwater	Underwater	CT01U	Cathodic Protection Inspection on Underwater Facilities	✓	✓	✓
Underwater	Partial Skills	CT01U.1	Prepare and Calibrate Test Equipment	Included in CT01U	Included in CT01U	Separate or Included in CT01U
Underwater	Partial Skills	CT01U.2	Take and Record Cathodic Protection Readings	Included in CT01U	Included in CT01U	Separate or Included in CT01U
Underwater	Underwater	CT02U	Prevent External Corrosion on Underwater Pipelines	✓	✓	✓
Underwater	Partial Skills	CT02U.1	Inspect Existing Coatings	Included in CT02U	Included in CT02U	Separate or Included in CT02U
Underwater	Partial Skills	CT02U.2	Perform Surface Preparation for Coating Repair	Included in CT02U	Included in CT02U	Separate or Included in CT02U
Underwater	Partial Skills	CT02U.3	Repair Coatings and Applications	Included in CT02U	Included in CT02U	Separate or Included in CT02U
Underwater	Underwater	CT03U	Measure Wall Thickness of Underwater Pipe	✓	✓	✓
Underwater	Partial Skills	CT03U.1	Prepare and Calibrate Test Equipment	Included in CT03U	Included in CT03U	Separate or Included in CT03U
Underwater	Partial Skills	CT03U.2	Measure Wall Thickness with Ultrasonic Testing Methods	Included in CT03U	Included in CT03U	Separate or Included in CT03U
Underwater	Partial Skills	CT03U.3	Measure Pit Depth and Diameter with Pit Gauge	Included in CT03U	Included in CT03U	Separate or Included in CT03U
Underwater	Underwater	CT04U	Conduct Underwater Cathodic Protection Remediation	✓	✓	✓
Underwater	Underwater	CT05U	Conduct Temporary Marking of Underwater Pipelines	✓	✓	✓
Underwater	Partial Skills	CT05U.1	Locate Pipeline	Included in CT05U	Included in CT05U	Separate or Included in CT05U
Underwater	Partial Skills	CT05U.2	Determine Pipeline Depth	Included in CT05U	Included in CT05U	Separate or Included in CT05U
Underwater	Partial Skills	CT05U.3	Install Temporary Pipeline Marker	Included in CT05U	Included in CT05U	Separate or Included in CT05U
Underwater	Underwater	CT06U	Conduct Underwater Valve Inspection, Maintenance, and Repair	✓	✓	✓
Underwater	Partial Skills	CT06U.1	Identify Valve and Components	Included in CT06U	Included in CT06U	Separate or Included in CT06U
Underwater	Partial Skills	CT06U.2	Conduct Visual Inspection of Valve and Flanges	Included in CT06U	Included in CT06U	Separate or Included in CT06U
Underwater	Partial Skills	CT06U.3	Identify Maintenance Procedures	Included in CT06U	Included in CT06U	Separate or Included in CT06U
Underwater	Partial Skills	CT06U.4	Repair Valve as Instructed	Included in CT06U	Included in CT06U	Separate or Included in CT06U
Underwater	Underwater	CT07U	Movement of In-service Underwater Pipeline	✓	✓	✓
Underwater	Partial Skills	CT07U.1	Move In-service Pipeline	Included in CT07U	Included in CT07U	Separate or Included in CT07U
Underwater	Partial Skills	CT07U.2	Conduct Inspection of Pipeline for Secondary Stresses, Physical Damage, and Coating Damage	Included in CT07U	Included in CT07U	Separate or Included in CT07U

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Underwater	Underwater	CT08U	Abandoning, Safe Disconnect, Purging, and Sealing of Underwater Pipeline	✓	✓	✓
Underwater	Partial Skills	CT08U.1	Purge Pipeline	Included in CT08U	Included in CT08U	Separate or Included in CT08U
Underwater	Partial Skills	CT08U.2	Safely Disconnect Pipeline	Included in CT08U	Included in CT08U	Separate or Included in CT08U
Underwater	Partial Skills	CT08U.3	Seal Disconnected Segment of Pipeline	Included in CT08U	Included in CT08U	Separate or Included in CT08U
Underwater	Partial Skills	CT08U.4	Bury Disconnected Segment of Pipeline	Included in CT08U	Included in CT08U	Separate or Included in CT08U
Underwater	Underwater	CT09U	Installation, Replacement, or Repair of Support Structures on Underwater Components	✓	✓	✓
Underwater	Partial Skills	CT09U.1	Replace or Repair Support Structures on Existing Underwater Components	Included in CT09U	Included in CT09U	Separated or Included in CT09U
Underwater	Partial Skills	CT09U.2	Install Additional Underwater Support Structure Elements to Components	Included in CT09U	Included in CT09U	Separated or Included in CT09U
Underwater	Underwater	CT10U	Inspection of Underwater Pipeline Facilities	✓	✓	✓
Underwater	Partial Skills	CT10U.1	Conduct General Pipeline Inspection	Included in CT10U	Included in CT10U	Separate or Included in CT10U
Underwater	Partial Skills	CT10U.2	Inspect Pipeline Crossings	Included in CT10U	Included in CT10U	Separate or Included in CT10U
Underwater	Partial Skills	CT10U.3	Inspect Flanged Tie-ins	Included in CT10U	Included in CT10U	Separate or Included in CT10U
Underwater	Partial Skills	CT10U.4	Inspect Repairs	Included in CT10U	Included in CT10U	Separate or Included in CT10U
Underwater	Partial Skills	CT10U.5	Inspect Support Structures	Included in CT10U	Included in CT10U	Separate or Included in CT10U
Underwater	Underwater	CT11U	Perform Underwater Pipeline Repair Activities	✓	✓	✓
Underwater	Partial Skills	CT11U.1	Excavate Pipeline	Included in CT11U	Included in CT11U	Separate or Included in CT11U
Underwater	Partial Skills	CT11U.2	Install Mechanical Split Sleeve Repair Clamp	Included in CT11U	Included in CT11U	Separate or Included in CT11U
Underwater	Partial Skills	CT11U.3	Perform Basic Cutting Operations	Included in CT11U	Included in CT11U	Separate or Included in CT11U
Underwater	Partial Skills	CT11U.4	Install Mechanical Couplings	Included in CT11U	Included in CT11U	Separate or Included in CT11U
Underwater	Partial Skills	CT11U.5	Install Spool Piece	Included in CT11U	Included in CT11U	Separate or Included in CT11U
Underwater	Underwater	CT12U	Operation of an Underwater Assembly	✓	✓	✓
Underwater	Underwater	CT13U	Perform Underwater Pigging Activities	✓	✓	✓
Underwater	Partial Skills	CT13U.1	Perform Basic Launching Procedures	Included in CT13U	Included in CT13U	Separate or Included in CT13U
Underwater	Partial Skills	CT13U.2	Perform Basic Receiving Procedures	Included in CT13U	Included in CT13U	Separate or Included in CT13U
Underwater	Underwater	CT14U	Perform Underwater Flange Mating Procedures	✓	✓	✓
Underwater	Partial Skills	CT14U.1	Perform General Flange Assembly Procedures	Included in CT14U	Included in CT14U	Separate or Included in CT14U
Underwater	Partial Skills	CT14U.2	Perform General Flange Disassembly Procedures	Included in CT14U	Included in CT14U	Separate or Included in CT14U
Underwater	Underwater	CT15U	Perform an Underwater Mechanical Hot Tap	✓	✓	✓
Underwater	Partial Skills	CT15U.1	Remove Coating	Included in CT15U	Included in CT15U	Separate or Included in CT15U
Underwater	Partial Skills	CT15U.2	Conduct Pipeline Quality Checks	Included in CT15U	Included in CT15U	Separate or Included in CT15U
Underwater	Partial Skills	CT15U.3	Install Hot Tap Fitting	Included in CT15U	Included in CT15U	Separate or Included in CT15U
Underwater	Partial Skills	CT15U.4	Operate Tool and Remove Coupon	Included in CT15U	Included in CT15U	Separate or Included in CT15U
Underwater	Partial Skills	CT15U.5	Repair Coating and Bury Pipeline as Required	Included in CT15U	Included in CT15U	Separate or Included in CT15U

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Control Room	Fatigue Management Series	FMS001	Sleep Basics - Fatigue Management Series			
Control Room	Fatigue Management Series	FMS002	Operational Fatigue Risk Factors - Fatigue Management Series			
Control Room	Fatigue Management Series	FMS004	Fatigue Countermeasure Review - Fatigue Management Series			
Control Room	Fatigue Management Series	FMS005	Fatigue Management Program - Fatigue Management Series			