



TOPSIDE OQ



Our covered tasks are designed to meet or exceed the DOT requirements for Operator Qualification

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| CT0031 | Inspect and Monitor Galvanic Ground Beds/Anodes | * CT14 | Application and Repair of External Coatings | CT36.9 | Install Completion Plugs |
| * CT01 | Conducting Annual Cathodic Protection Surveys | * CT15 | Place and Maintain Line Markers | CT37 | Conduct Pressure Test |
| * CT02 | Maintain Test Leads | * CT16G | Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Gas Pipelines | * CT38 | Maintenance Welding on Pipelines |
| CT0221 | Inspect, Test and Maintain Temperature Transmitters | CT16L | Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Liquid Pipelines | * CT39 | Operations of a Pipeline System |
| CT0241 | Operate, Maintain, and Configure Flow Computers | CT17 | Inspect Navigable Waterway Crossings | * CT39F | Field Operations of a Pipeline System |
| CT0261 | Inspection, Testing, and Corrective and Preventative Maintenance of Tank Gauging | * CT18 | Inspection of Breakout Tanks | * CT40 | Computational Pipeline Monitoring (CPM) |
| CT0271 | Prove Flow Meters | * CT19 | Provide Temporary Marking of Buried Pipeline Prior to Excavation | * CT41 | Operate Pressure Relieving Devices for Launching and Receiving Facilities |
| CT0281 | Maintain Flow Meters | * CT20 | Inspection Following Excavation Activities and Leak Survey after Blasting | * CT42 | Performing Maintenance on Valves |
| CT0291 | Inspect, Test and Maintain Gravimeters and Densitometers | CT21 | Provide Security for Pipeline Facilities | * CT43 | Perform Flange Bolting Procedures |
| * CT03 | Inspect Cathodic Protection Rectifiers | * CT22 | Inspect Valves | * CT44 | Tubing and Tube Fitting, Handling, and Installation |
| * CT04 | Cathodic Protection Rectifier Maintenance and Repair | * CT23 | Repair Valves | * CT45 | Perform Leakage Survey |
| * CT0451 | Manual Startup and Shutdown of Pumps | CT24 | Inspect, Test and Calibrate Relief Valves | CT46 | Vault Maintenance |
| * CT05 | Electrically Inspect Bare Pipe | CT25 | Maintain/Repair Relief Valves | * CT47 | Install Electrical Insulating Device |
| CT0591 | Leak Test at Operating Pressure | CT26 | Inspect, Test and Calibrate Pressure Limiting Devices | * CT48 | Purge a Pipeline |
| CT06.2 | Inspection of Coatings | CT27 | Inspect, Test and Calibrate Pressure Switches and Transmitters | CT50 | Testing an Emergency Shutdown Device |
| CT06.3 | Perform Surface Preparation | CT28 | Verifying or Setting Protection Parameters for Programmable Controllers and/or Instrumentation Control Loops | CT51 | Perform Incremental Pressure Increases to Update MAOP |
| CT06.4 | Apply Coatings | * CT29 | Moving In-Service Pipe | * CT52 | Operate Odorant Equipment |
| CT06J | Electrical Inspection of Coatings | CT30 | Inspect Existing Pipe Following Movement | CT54 | Gas Detection and Alarm System Maintenance and Performance Testing |
| * CT07 | Measure Wall Thickness | * CT31 | Inspection of Clearance of Existing Pipe to Underground Structures | * CT55 | Isolation of a Gas Compressor Unit |
| CT0721 | Joining of Pipe: Threaded Joints | * CT32 | Abandoning, Safe Disconnect, Purging, and Sealing of Pipeline Facilities | CT56 | Compressor Station Inspection and Testing of Remote Control Shutdown Devices |
| * CT08 | Conducting Cathodic Protection Remediation | * CT33 | Installation, Replacement, or Repair of Support Structures on Existing or New Aboveground Components | * CT57 | Startup, Shutdown, and Operation of Turbine Driven Gas Compressor Unit |
| * CT09 | Monitoring for Internal Corrosion | * CT34 | Inspection Activities for Tie-ins, Pipe Replacements, or Other Components Connecting to an Existing Pipeline | * CT58 | Start-up, Shutdown, and Operation of an Engine Driven Gas Compressor Unit |
| * CT10 | Inspect (Examine) Buried Pipe When Exposed | * CT35 | Backfilling a Trench Following Maintenance | * CT59 | Install and Monitor Vapor Barriers |
| CT1081 | Tapping a Pipeline (Tap Diameter 2 Inches or Less) | CT36.2 | Install Welded Tight Fitting Sleeves | CT60 | General Abnormal Operating Conditions |
| * CT11 | Inspect and Calibrate Overflow Protective Devices | CT36.3 | Perform Over-sleeve Repair | * CT61 | Documentation, Reporting, and OQ Record keeping |
| CT110 | Grinding, Sanding, or Buffing on Steel Pipeline | CT36.4 | Perform Composite Wrap Sleeve Repair | CT62 | Inspecting and Remediating Pipeline Hazard Protection |
| CT12 | Internal Corrosion Remediation | CT36.5 | Install Mechanical Split Sleeve Repair | CT63 | Inspect Tank Pressure Vacuum Breakers |
| CT1291 | Locate Underground Pipelines | CT36.6 | Install Mechanical Coupling | CT65 | Damage Prevention During Excavation Activities By or On Behalf of the Operator |
| CT13 | Inspect Internal Pipe Surfaces | CT36.7 | Perform Hot Tapping | CTCLF | Catastrophic Line Failure |
| CT1301 | Install and Maintain Pipeline Markers | CT36.8 | Install Pipeline Plugs | CTCRE | Control Room Emergency Response |

* Includes Partial Skills Assessments



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| CT0031 | Inspect and Monitor Galvanic Ground Beds/Anodes | Explains and evaluates inspecting and monitoring galvanic ground beds/anodes, obtaining structure-to-electrolyte and current output readings, and potential abnormal operating conditions. |
| CT01 | Conducting Annual Cathodic Protection Surveys | Explains and evaluates measuring structure-to-electrolyte potential, performing close interval surveys and interference testing, testing electrical isolation, inspecting and testing bonds, inspecting for atmospheric corrosion, and potential abnormal operating conditions. |
| CT02 | Maintain Test Leads | Explains and evaluates visually inspecting test leads, determining test lead continuity, measuring structure-to-electrolyte potential, repairing and replacing damaged test leads, and potential abnormal operating conditions. |
| CT0221 | Inspect, Test and Maintain Temperature Transmitters | Explains and evaluates the use, inspection, testing, maintenance, verification, and calibration of temperature transmitters and potential abnormal operating conditions. |
| CT0241 | Operate, Maintain, and Configure Flow Computers | Explains and evaluates operation, maintenance, and configuration of flow computers and potential abnormal operating conditions. |
| CT0261 | Inspection, Testing, and Corrective and Preventative Maintenance of Tank Gauging | Explains and evaluates tank gauging and different types of tank gauging devices, inspection, testing, and corrective and preventative maintenance of tank gauging, and potential abnormal operating conditions. |
| CT0271 | Prove Flow Meters | Explains and evaluates flow meter proving, establishing repeatability, calculating meter factor, and potential abnormal operating conditions. |
| CT0281 | Maintain Flow Meters | Explains and evaluates flow meter maintenance, device removal and reinstallation, performing meter loop integrity check, and potential abnormal operating conditions. |
| CT0291 | Inspect, Test and Maintain Gravimeters and Densitometers | Explains and evaluates inspecting, testing, calibrating, and maintaining gravimeters and densitometers, calculating density correction factor, removing and reinstalling device, performing loop integrity check, and potential abnormal operating conditions. |
| CT03 | Inspect Cathodic Protection Rectifiers | Explains and evaluates inspecting cathodic protection rectifiers, measuring structure-to-electrolyte IR drop readings, determining protection adequacy, and potential abnormal operating conditions. |
| CT04 | Cathodic Protection Rectifier Maintenance and Repair | Explains and evaluates inspecting rectifier cabinets, testing transformers, fuses, and rectifier assemblies, adjusting tap settings, and potential abnormal operating conditions. |
| CT0451 | Manual Startup and Shutdown of Pumps | Explains and evaluates verifying pumps, performing prestart, post-start, and postrun inspections, manually starting up and shutting down pumps at the driver control panel, and potential abnormal operating conditions. |
| CT05 | Electrically Inspect Bare Pipe | Explains and evaluates inspection interval, measuring soil resistivity and soil-to-soil potential, and potential abnormal operating conditions. |
| CT0591 | Leak Test at Operating Pressure | Explains and evaluates performing gas leakage surveys, leak tests at operating pressure, and potential abnormal operating conditions. |
| CT06.2 | Inspection of Coatings | Identifies the practices necessary to inspect for atmospheric corrosion, inspect coatings before, during, and after the application process, and identify and respond to abnormal operating conditions. |
| CT06.3 | Perform Surface Preparation | Identifies the practices necessary to prepare a pipeline surface prior to the application of a protective coating and recognizing and reacting to abnormal operating conditions. |
| CT06.4 | Apply Coatings | Explains and evaluates the practices necessary to apply protective coating, ensure post coating actions are taken, and recognize and react to abnormal operating conditions. |
| CT06J | Electrical Inspection of Coatings | Explains and evaluates grounding structures and detectors, determining minimum effective voltage, operating voltage detectors, and potential abnormal operating conditions. |
| CT07 | Measure Wall Thickness | Explains and evaluates measuring pit depth using a pit gauge, measuring pipe wall thickness with an ultrasonic thickness meter, collecting RSTRENG Data, and potential abnormal operating conditions. |
| CT0721 | Joining of Pipe: Threaded Joints | Explains and evaluates choosing, connecting, and inspecting threaded joints and potential abnormal operating conditions. |





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| CT08 | Conducting Cathodic Protection Remediation | Explains and evaluates installing electrical bonds, galvanic and impressed current an-odes, transformer/rectifiers, and test stations, conducting thermite welding procedures, locating, monitoring, and clearing shorted casing, and potential abnormal operating conditions. |
| CT09 | Monitoring for Internal Corrosion | Explains and evaluates how to safely extract or insert corrosion coupons and probes, collecting pipeline content samples, and potential abnormal operating conditions. |
| CT10 | Inspect (Examine) Buried Pipe When Exposed | Explains and evaluates inspecting pipe and components for physical damage, coating damage, corrosion, and potential abnormal operating conditions. |
| CT1081 | Tapping a Pipeline (Tap Diameter 2 Inches or Less) | Explains and evaluates installing hot tap assemblies, cutting pipe, removing coupons, inserting completion plug, and potential abnormal operating conditions. |
| CT11 | Inspect and Calibrate Overfill Protective Devices | Explains and evaluates obtaining level-gauge device reading, conducting a comparison analysis, visually inspecting and resetting of Overfill Protective Devices, and potential abnormal operating conditions. |
| CT110 | Grinding, Sanding, or Buffing on Steel Pipeline | Explains and evaluates removing defects by grinding, sanding, or buffing on steel pipeline, verifying minimum wall thickness, and potential abnormal operating conditions. |
| CT12 | Internal Corrosion Remediation | The purpose of this module is to evaluate an individual with regard Internal Corrosion Remediation as it relates to a DOT pipeline system. |
| CT1291 | Locate Underground Pipelines | Explains and evaluates determining right-of-way access, locating underground pipelines, determining pipeline depth, and potential abnormal operating conditions. |
| CT13 | Inspect Internal Pipe Surfaces | Explains and evaluates recognizing common types of internal corrosion, their mechanisms, and potential abnormal operating conditions. |
| CT1301 | Install and Maintain Pipeline Markers | Explains and evaluates installing, inspecting, and maintaining line markers, determining right-of-way access, and potential abnormal operating conditions. |
| CT14 | Application and Repair of External Coatings | Explains and evaluates external coating types, performing surface preparation, applying and repairing coating, testing for defects, and potential abnormal operating conditions. |
| CT15 | Place and Maintain Line Markers | Explains and evaluates locating a pipeline, installing a line marker, inspecting and maintaining line markers, and potential abnormal operating conditions. |
| CT16G | Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Gas Pipelines | Explains and evaluates visually inspecting surface conditions of right-of-way, identifying release or encroachment activities, performing gas leakage surveys, and potential abnormal operating conditions. |
| CT16L | Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Liquid Pipelines | Explains and evaluates inspecting surface conditions of right-of-way, following company reporting protocols, and potential abnormal operating conditions. |
| CT17 | Inspect Navigable Waterway Crossings | Explains and evaluates the use of probes, sonar, and other methods to verify the location of a pipeline, determine the depth of cover, and potential abnormal operating conditions. |
| CT18 | Inspection of Breakout Tanks | Explains and evaluates the inspection of breakout tanks in accordance with API Standard 653, 510, inspection other breakout tanks, and potential abnormal operating conditions. |
| CT19 | Provide Temporary Marking of Buried Pipeline Prior to Excavation | Explains and evaluates locating a pipeline, installing temporary pipeline markers, inspecting and maintaining temporary line markers, and potential abnormal operating conditions. |
| CT20 | Inspection Following Excavation Activities and Leak Survey after Blasting | Explains and evaluates inspecting after excavating, performing leak surveys, utilizing leak survey techniques, monitoring for pressure loss, and potential abnormal operating conditions. |
| CT21 | Provide Security for Pipeline Facilities | Explains and evaluates providing security for pipeline facilities and potential abnormal operating conditions. |
| CT22 | Inspect Valves | Explains and evaluates locating valves, isolating leaks, performing function tests, performing routine maintenance, and potential abnormal operating conditions. |





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| CT23 | Repair Valves | Explains and evaluates repairing valves and actuators/operators and potential abnormal operating conditions. |
| CT24 | Inspect, Test and Calibrate Relief Valves | Explains and evaluates locating relief valves, identifying equipment, ensuring external integrity, testing relief valves, and potential abnormal operating conditions. |
| CT25 | Maintain/Repair Relief Valves | Explains and evaluates disassembling, cleaning, inspecting, repairing, and replacing internal components of a relief valve, and potential abnormal operating conditions. |
| CT26 | Inspect, Test and Calibrate Pressure Limiting Devices | Explains and evaluates inspecting pressure limiting devices and nameplates, performing static and dynamic testing, calibrating and reinstalling pressure limiting devices, and potential abnormal operating conditions. |
| CT27 | Inspect, Test and Calibrate Pressure Switches and Transmitters | Explains and evaluates inspecting, testing, and calibrating pressure switches and transmitters and potential abnormal operating conditions. |
| CT28 | Verifying or Setting Protection Parameters for Programmable Controllers and/or Instrumentation Control Loops | Explains and evaluates verifying data set points, parameters, and data location within PLC program, calibrating, testing, and documenting system set points, and potential abnormal operating conditions. |
| CT29 | Moving In-Service Pipe | Explains and evaluates preparing for pipeline movement activities, moving in-service pipe, and potential abnormal operating conditions. |
| CT30 | Inspect Existing Pipe Following Movement | Explains and evaluates inspecting pipeline for secondary stresses, physical damage, corrosion, and coating damage and potential abnormal operating conditions. |
| CT31 | Inspection of Clearance of Existing Pipe to Underground Structures | Explains and evaluates inspecting for clearance of existing pipe to underground structures, ensuring minimum clearances, interference, and corrosion control tests are performed during installation of foreign pipelines or structures, and potential abnormal operating conditions. |
| CT32 | Abandoning, Safe Disconnect, Purging, and Sealing of Pipeline Facilities | Explains and evaluates safely disconnecting and purging pipeline facilities, sealing disconnected portions of pipeline, and potential abnormal operating conditions. |
| CT33 | Installation, Replacement, or Repair of Support Structures on Existing or New Aboveground Components | Explains and evaluates replacing or repairing support structures on existing or new aboveground components, installing additional or revised support structure elements to existing aboveground structures, and potential abnormal operating conditions. |
| CT34 | Inspection Activities for Tie-ins, Pipe Replacements, or Other Components Connecting to an Existing Pipeline | Explains and evaluates performing pre-installation requirements, verifying welder & NDT personnel qualifications, ensuring proper installation, and potential abnormal operating conditions. |
| CT35 | Backfilling a Trench Following Maintenance | Explains and evaluates performing backfilling operations following maintenance, determining if a tamping tool and backhoe are being used properly, how to determine amount of cover, and potential abnormal operating conditions. |
| CT36.2 | Install Welded Tight Fitting Sleeves | Explains and evaluates confirming surface preparation, sleeve type, length, and material, fitting sleeve, and potential abnormal operating conditions. |
| CT36.3 | Perform Over-sleeve Repair | Explains and evaluates confirming surface preparation, filling defects, confirming sleeve length and material, fitting over-sleeves, and potential abnormal operating conditions. |
| CT36.4 | Perform Composite Wrap Sleeve Repair | Explains and evaluates confirming surface preparation, installing composite wrap sleeve, and potential abnormal operating conditions. |
| CT36.5 | Install Mechanical Split Sleeve Repair | Explains and evaluates confirming surface preparation, sleeve length, and material, installing mechanical split sleeve repairs, and potential abnormal operating conditions. |
| CT36.6 | Install Mechanical Coupling | Explains and evaluates confirming surface preparation, sleeve length, and material, installing mechanical couplings, and potential abnormal operating conditions. |
| CT36.7 | Perform Hot Tapping | Explains and evaluates installing and removing hot tap assembly, operating hot tap equipment, and potential abnormal operating conditions. |
| CT36.8 | Install Pipeline Plugs | Explains and evaluates installing plugging assembly, inserting and removing plug, monitoring pressure, removing plugging assembly, and potential abnormal operating conditions. |





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| CT36.9 | Install Completion Plugs | Explains and evaluates installing, operating, and removing completion plug assembly, relieving pressure from and draining plugging machine, and potential abnormal operating conditions. |
| CT37 | Conduct Pressure Test | Explains and evaluates performing a pressure test, analyzing test data, depressurizing and drying pipe, and potential abnormal operating conditions. |
| CT38 | Maintenance Welding on Pipelines | Explains and evaluates repairing arc burns, defective welds other than welds containing cracks, cover passes on welds containing defects other than a crack, butt welds containing cracks, and previously repaired areas, replacing welds or cylinders of pipe, and potential abnormal operating conditions. |
| CT39 | Operations of a Pipeline System | Explains and evaluates pipeline startup and shutdown procedures, monitoring and maintenance of pressures, flows, and line integrity, operating valves using manual or remote methods, and potential abnormal operating conditions. |
| CT39F | Field Operations of a Pipeline System | Explains and evaluates pipeline startup and shutdown procedures, monitoring and maintenance of pressures, flows, and line integrity, operating valves using manual or remote methods in the field, and potential abnormal operating conditions. |
| CT40 | Computational Pipeline Monitoring (CPM) | The purpose of this module is to evaluate an individual with regard to the procedures and methods of performing leak detection with Computational Pipeline Monitoring. |
| CT41 | Operate Pressure Relieving Devices for Launching and Receiving Facilities | Explains and evaluates isolating, relieving pressure and draining fluids from the launcher and receiver barrel, launching and receiving a pig, and potential abnormal operating conditions. |
| CT42 | Performing Maintenance on Valves | Explains and evaluates valve winterization or corrosion inhibition, lubrication, seat sealing, stem packing, actuator/operator adjustment, and potential abnormal operating conditions. |
| CT43 | Perform Flange Bolting Procedures | Explains and evaluates identifying hazards, performing hot bolting and flange assembly procedures, and potential abnormal operating conditions. |
| CT44 | Tubing and Tube Fitting, Handling, and Installation | Explains and evaluates handling tubing, tube fittings, and tubing components, designing or verifying a tubing system, cutting and de-burring metal tubing, bending metal tubing, installing compression tube fittings, and potential abnormal operating conditions. |
| CT45 | Perform Leakage Survey | Explains and evaluates performing visual leakage surveys and pipeline leakage surveys using combustible gas detector, flame ionization detector, optical methane detector, and remote methane leak detector, and potential abnormal operating conditions. |
| CT46 | Vault Maintenance | Explains and evaluates performing vault maintenance and potential abnormal operating conditions. |
| CT47 | Install Electrical Insulating Device | Explains and evaluates electrically isolating pipelines from other processes to reduce the risk of corrosion and potential abnormal operating conditions. |
| CT48 | Purge a Pipeline | Explains and evaluates purging hydrocarbons and air from a pipeline, purging pipeline with product, and potential abnormal operating conditions. |
| CT50 | Testing an Emergency Shutdown Device | Explains and evaluates determining system testing method, testing full plant blow down system, isolating ESD devices, and potential abnormal operating conditions. |
| CT51 | Perform Incremental Pressure Increases to Uprate MAOP | Explains and evaluates increasing and monitoring pipeline pressure, performing leak surveys, and potential abnormal operating conditions. |
| CT52 | Operate Odorant Equipment | Explains and evaluates determining odorant injection rates, testing odorant levels, inspecting, repairing odorant injection systems, and potential abnormal operating conditions. |
| CT54 | Gas Detection and Alarm System Maintenance and Performance Testing | Explains and evaluates calibrating, testing, and maintaining gas detection systems, documenting according to MSDS, and potential abnormal operating conditions. |
| CT55 | Isolation of a Gas Compressor Unit | Explains and evaluates isolating a gas compressor unit, preparing an isolated compressor unit for start-up, and potential abnormal operating conditions. |
| CT56 | Compressor Station Inspection and Testing of Remote Control Shutdown Devices | Explains and evaluates inspecting, testing, and observing remote control shutdown devices and potential abnormal operating conditions. |





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| CT57 | Startup, Shutdown, and Operation of Turbine Driven Gas Compressor Unit | Explains and evaluates starting up, operating, and shutting down a turbine driven gas compressor unit and potential abnormal operating conditions. |
| CT58 | Start-up, Shutdown, and Operation of an Engine Driven Gas Compressor Unit | Explains and evaluates starting up, operating, and shutting down engine driven gas compressor unit and potential abnormal operating conditions. |
| CT59 | Install and Monitor Vapor Barriers | Explains and evaluates temporarily sealing a portion of pipeline with a plug or isolation tool to create a vapor barrier preventing hazardous vapors from entering a hot work area; and recognizing and reacting to abnormal operating conditions. |
| CT60 | General Abnormal Operating Conditions | Explains how to recognize and respond to the malfunction or failure of pipeline components, physical damage, the unexpected activation of safety devices, and preventing an accidental ignition. |
| CT61 | Documentation, Reporting, and OQ Record keeping | Explains and evaluates maintaining testing and inspection records, identifying accidents and incidents that require reporting, OQ record keeping requirements, and potential abnormal operating conditions. |
| CT62 | Inspecting and Remediating Pipeline Hazard Protection | Explains and evaluates identifying types of pipeline hazards, identifying and inspecting protective physical barriers, and potential abnormal operating conditions. |
| CT63 | Inspect Tank Pressure Vacuum Breakers | Explains and evaluates verifying, inspecting, disassembling, and reassembling tank pressure vacuum breakers, validating pallet weight, and potential abnormal operating conditions. |
| CT65 | Damage Prevention During Excavation Activities By or On Behalf of the Operator | Explains and evaluates verifying line location, identifying potential hazardous surface conditions, confirming spoil placement, using hand tools and vacuums, ensuring pipeline support and security, and potential abnormal operating conditions. |
| CTCLF | Catastrophic Line Failure | Explains the severity of a catastrophic line failure, recognizing indications of a major leak, and identifying and responding to a catastrophic line failure. |
| CTCRE | Control Room Emergency Response | Explains identifying hazardous liquids, recognizing abnormal operating conditions, responding to pipeline emergencies, executing emergency response procedures, and coordinating pipeline restart. |

