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Pipeline Operator Qualification			
Library	Course Code	Course Name	Description and Length (in minutes) 3-18-24
ASME-B31Q - BASED COVERED TASKS			
ASME-Based Covered Tasks	ASME-0001	Measure Structure-to-Electrolyte Potential	<i>Measure Structure-to-Electrolyte Potential</i> explains the knowledge required to perform cathodic protection tests, including an overview of cathodic protection systems and test equipment and the procedure for measuring structure-to-electrolyte potential. Abnormal operating conditions (AOCs) are also discussed. (15 min)
ASME-Based Covered Tasks	ASME-0011	Conduct a Close Interval Survey	<i>Conduct a Close Interval Survey</i> explains the purpose of a close interval survey, the preparation work for the survey, the steps to perform the close interval survey, including how to take structure-to-electrolyte potentials and log data. Abnormal operating conditions (AOCs) are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-0021	Measure Soil Resistivity	<i>Measure Soil Resistivity</i> covers soil resistivity measurement methods, the appropriate measuring equipment and tools, proper testing locations, how to measure soil resistivity and record data, and abnormal operating conditions (AOCs) that may be encountered during this task. (25 min)

ASME-Based Covered Tasks	ASME-0031	Inspect and Monitor Galvanic Ground Beds/Anodes	<i>Inspect and Monitor Galvanic Ground Beds/Anodes</i> explains how to inspect and monitor galvanic ground beds and anodes by verifying their test location, taking structure-to-electrolyte potentials, analyzing the remaining life of the anodes, and documenting the results. Possible abnormal operating conditions (AOCs) are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-0041	Installation and Maintenance of Mechanical Electrical Connections	<i>Installation and Maintenance of Mechanical Electrical Connections</i> explains how to install mechanical electrical connections, verify the test equipment, perform maintenance on damaged test leads, and verify mechanical integrity and electrical continuity. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (10 min)
ASME-Based Covered Tasks	ASME-0051	Installation of Exothermic Electrical Connections	<i>Installation of Exothermic Electrical Connections</i> explains the purpose of installing electrical connections, discusses the knowledge required prior to performing the exothermic welds, describes the steps and equipment for performing exothermic welds, and lists possible abnormal operating conditions (AOCs) that may be encountered during the installation. (20 min)
ASME-Based Covered Tasks	ASME-0061	Inspect or Test Cathodic Protection Bonds	<i>Inspect or Test Cathodic Protection Bonds</i> explains the purpose of cathodic protection bonds, the types of bonds, the use of shunts, the procedure for inspecting and testing, and how to recognize and react to any abnormal operating conditions (AOCs) that may occur during the inspection or testing. (15 min)
ASME-Based Covered Tasks	ASME-0071	Inspect or Test Cathodic Protection Electrical Isolation Devices	<i>Inspect or Test Cathodic Protection Electrical Isolation Devices</i> explains the purpose of electrical isolation devices, the locations and types of isolating devices, the procedures for inspecting and testing isolation devices, and discusses abnormal operating conditions (AOCs) that may be encountered while inspecting or testing cathodic protection electrical isolation devices. (20 min)

ASME-Based Covered Tasks	ASME-0081	Install Cathodic Protection Electrical Isolation Devices	<i>Install Cathodic Protection Electrical Isolation Devices</i> explains the purpose of installing electrical isolating devices, the knowledge and skills required, the procedures for installing various electrical isolating devices, and potential abnormal operating conditions (AOCs) that may be encountered during the process. (25 min)
ASME-Based Covered Tasks	ASME-0091	Troubleshoot Active Cathodic Protection System	<i>Troubleshoot Active Cathodic Protection System</i> explains the purpose of troubleshooting cathodic protection systems. It describes the equipment needed for troubleshooting, the troubleshooting procedures, and the abnormal operating conditions (AOCs) that may be encountered. (20 min)
ASME-Based Covered Tasks	ASME-0101	Inspect the Rectifier and Obtain Readings	<i>Inspect Rectifier and Obtain Readings</i> reviews the role of a rectifier in cathodic protection, explains the procedures for inspecting a rectifier and obtaining electrical output readings to verify the proper performance of the rectifier, and describes possible abnormal operating conditions (AOCs). (15 min)
ASME-Based Covered Tasks	ASME-0111	Maintain Rectifier	<i>Maintain Rectifier</i> reviews the role of a rectifier in cathodic protection, identifies the knowledge and skills required for performing maintenance on a rectifier, explains the procedure for performing rectifier maintenance, and describes abnormal operating conditions (AOCs) that may be encountered. (35 min)
ASME-Based Covered Tasks	ASME-0141	Visual Inspection for Atmospheric Corrosion	<i>Visual Inspection for Atmospheric Corrosion</i> explains the purpose of visual inspections for atmospheric corrosion, illustrates the types of coating failures, explains the procedure for visual inspections, and lists abnormal operating conditions (AOCs) that may be encountered while performing an inspection. (15 min)

ASME-Based Covered Tasks	ASME-0151	Visual Inspection of Buried Pipe and Components When Exposed	<i>Visual Inspection of Buried Pipe and Components When Exposed</i> explains the purpose of the inspection; defines the terms related to external corrosion, coatings, coating anomalies, and coating methods; explains the procedure for the inspection; and discusses abnormal operating conditions (AOCs) that may be encountered during the task. (20 min)
ASME-Based Covered Tasks	ASME-0161	Visual Inspection for Internal Corrosion	<i>Visual Inspection for Internal Corrosion</i> describes the types of corrosion that may be discovered while visually inspecting the internal surfaces of a pipe or component, explains the inspection procedure, and describes possible abnormal operating conditions (AOCs) that may be encountered. (15 min)
ASME-Based Covered Tasks	ASME-0171	Measure External Corrosion	<i>Measure External Corrosion</i> describes various types of corrosion that may be encountered while measuring external corrosion on steel pipe, explains how to measure external corrosion, and describes abnormal operating conditions (AOCs) that may be encountered. (25 min)
ASME-Based Covered Tasks	ASME-0181	Measure Internal Corrosion	<i>Measure Internal Corrosion</i> describes various types of corrosion that may be encountered while measuring internal corrosion on steel pipe, explains the measuring and mapping procedure, and describes abnormal operating conditions (AOCs) that may be encountered. (30 min)
ASME-Based Covered Tasks	ASME-0191	Measure Atmospheric Corrosion	<i>Measure Atmospheric Corrosion</i> examines atmospheric corrosion types and characteristics on aboveground pipelines, surface preparations, equipment checks, measurement methods, and abnormal operations conditions (AOCs) that may be encountered when measuring atmospheric corrosion. (30 min)

ASME-Based Covered Tasks	ASME-0201	Visual Inspection of Installed Pipe and Components for Mechanical Damage	<i>Visual Inspection of Installed Pipe and Components for Mechanical Damage</i> explains the purpose of visually inspecting for mechanical damage, the terms related to mechanical damage, the procedure for visually inspecting for mechanical damage, and any abnormal operating conditions (AOCs) that may occur while doing the inspection. (15 min)
ASME-Based Covered Tasks	ASME-0211	Measure and Characterize Mechanical Damage on Installed Pipe and Components	<i>Measure and Characterize Mechanical Damage on Installed Pipe and Components</i> explains the purpose and procedure for measuring and characterizing mechanical damage, defines terms regarding mechanical damage, and describes abnormal operating conditions (AOCs) that may be encountered during the inspection. (15 min)
ASME-Based Covered Tasks	ASME-0221	Inspect, Test, and Maintain Sensing Devices	<i>Inspect, Test, and Maintain Sensing Devices</i> explains the purpose and different types of sensing devices; the procedure for inspecting, testing, and maintaining a sensing device; and potential abnormal operating conditions (AOCs) that may be encountered. (15 min)
ASME-Based Covered Tasks	ASME-0231	Inspect, Test, and Maintain Programmable Logic Controllers (PLC)	Inspect, Test, and Maintain Programmable Logic Controllers (PLC) explains how to check the test equipment, visually inspect PLCs for damage, isolate and test them for proper operation, maintain them as needed, and return them to service. Abnormal operating conditions (AOCs) may be encountered while performing this task. (15 min)
ASME-Based Covered Tasks	ASME-0241	Inspect, Test, and Maintain Liquid Leak Detection Flow Computers	Inspect, Test, and Maintain Liquid Leak Detection Flow Computers explore how to inspect, test, and maintain flow computers to detect liquid leaks and prevent potential damage to pipelines. Abnormal operating conditions (AOCs) are also discussed. (15 min)

ASME-Based Covered Tasks	ASME-0271	Prove Flowmeters for Hazardous Liquid Leak Detection	Prove Flowmeters for Hazardous Liquid Leak Detection examines master meters and conventional displacement provers for proving flowmeters for hazardous liquid leak detection. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (25 min)
ASME-Based Covered Tasks	ASME-0281	Maintain Flowmeters for Hazardous Liquid Leak Detection	Maintain Flowmeters for Hazardous Liquid Leak Detection lists types of flowmeters and how they work. The course also examines the procedure for maintenance of flowmeters, including removal and repair. Abnormal operating conditions (AOCs) are also discussed. (25 min)
ASME-Based Covered Tasks	ASME-0291	Inspect, Test, and Maintain Gravimeters/Densitometers For Hazardous Liquid Leak Detection	Inspect, test, and maintain gravity/densitometers for hazardous liquid leak detection; explain qualifications and knowledge required; initial inspection, maintenance, and return the instruments to service. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-0301	Manually Opening and Closing Valves	Manually Opening and Closing Valves explores the manual operation of valves using tools and manually operating actuators. The course includes preparations for the task, the impact of pressure changes due to manual operation, and abnormal operating conditions (AOCs) that could be encountered during the task. (20 min)
ASME-Based Covered Tasks	ASME-0311	Adjust and Monitor Flow or Pressure – Manual Valve Operation	Adjust and Monitor Flow or Pressure - Manual Valve Operation describes how to prepare for manual operation of valves, explains the processes for adjusting or monitoring flow or pressure, describes the types of valves, and discusses possible abnormal operating conditions (AOCs) that may be encountered. (25 min)

ASME-Based Covered Tasks	ASME-0321	Valve Corrective Maintenance	<i>Valve Corrective Maintenance</i> describes how to prepare for valve corrective maintenance, discusses the types of valve corrective maintenance that may need to be performed, and identifies possible abnormal operating conditions (AOCs) that may be encountered. (20 min)
ASME-Based Covered Tasks	ASME-0331	Valve - Visual Inspection and Partial Operation	Valve - Visual Inspection and Partial Operation describes the purpose of a visual inspection and partial operation of pipeline valves, explains how to visually inspect and partially operate valves, discusses how to perform routine lubrication of valves, and lists abnormal operating conditions (AOCs) that may be encountered while performing the task. (15 min)
ASME-Based Covered Tasks	ASME-0351	Pneumatic Actuator/Operator Inspection and Testing, Preventive and Corrective Maintenance	Pneumatic Actuator/Operator Inspection and Testing, Preventive and Corrective Maintenance explains how to perform a visual inspection, conduct preventive and corrective actions, adjust setpoints, and conduct a performance test on actuators/operators. Abnormal operating conditions (AOCs) that
ASME-Based Covered Tasks	ASME-0361	Electric Actuator/Operator Inspection and Testing, Preventive and Corrective Maintenance	Electric Actuator/Operator Inspection and Testing, Preventive and Corrective Maintenance explains how to perform a visual inspection, conduct preventive and corrective actions, adjust setpoints, and conduct a performance test on actuators/operators. Abnormal operating conditions (AOCs) that may be encountered during the task are also discussed. (15 min)
ASME-Based Covered Tasks	ASME-0371	Hydraulic Actuator/Operator Inspection and Testing, Preventive and Corrective Maintenance	Hydraulic Actuator/Operator Inspection and Testing, Preventive and Corrective Maintenance explains how to perform a visual inspection, conduct preventive and corrective actions, adjust setpoints, and conduct a performance test on actuators/operators. Abnormal operating conditions (AOCs) that may be encountered during the task are also discussed. (15 min)

ASME-Based Covered Tasks	ASME-0381	Spring-Loaded, Pressure-Regulating Device - Inspection and Testing, Preventive and Corrective Maintenance	Spring Loaded, Pressure-Regulating Device - Inspection and Testing, Preventive and Corrective Maintenance explains the purpose of inspecting and maintaining regulators; describes how to inspect, test, and maintain them; and discusses how to recognize and react to abnormal operating conditions (AOCs) that may be encountered during the task. (15 min)
ASME-Based Covered Tasks	ASME-0391	Pilot-Operated, Pressure-Regulating Device - Inspection, Testing, Preventive and Corrective Maintenance	Pilot-operated, Pressure-Regulating Device - Inspection, Testing, Preventive and Corrective Maintenance explains the purpose of regulator inspection and maintenance; describes how to inspect, test, and maintain pilot-operated, pressure-regulating devices; and discusses how to recognize and react to abnormal operating conditions (AOCs) that may be encountered while performing the task. (15 min)
ASME-Based Covered Tasks	ASME-0401	Controller-Type, Pressure-Regulating Device - Inspection, Testing, Preventive and Corrective Maintenance	Controller-type, Pressure-Regulating Device - Inspection, Testing, Preventive and Corrective Maintenance explains the purpose of inspections and maintenance; describes how to inspect, test, and maintain controller-type, pressure-regulating devices; and discusses how to recognize and react to abnormal operating conditions (AOCs) that may be encountered while performing the task. (15 min)
ASME-Based Covered Tasks	ASME-0411	Spring-loaded, PressureLimiting, and -Relief Device - Inspection, Testing, Preventive and Corrective Maintenance	Spring-Loaded, Pressure-Limiting, and -Relief Device - Inspection, Testing, Preventive and Corrective Maintenance explains the purpose and steps for inspecting a relief device, describes preventive and corrective maintenance, and discusses how to recognize and react to abnormal operating conditions (AOCs) that may be encountered while performing the task. (15 min)

ASME-Based Covered Tasks	ASME-0421	Pilot-operated, Pressure Limiting, and -Relief Device - Inspection, Testing, Preventive and Corrective Maintenance	Pilot-operated, Pressure-Limiting, and -Relief Device - Inspection, Testing, Preventive and Corrective Maintenance explains the purpose and steps for inspecting a relief device, describes preventive and corrective maintenance, and discusses abnormal operating conditions (AOCs) that may be encountered while performing the task. (15 min)
ASME-Based Covered Tasks	ASME-0551	Explosive Atmosphere Detection and Alarm System Performance Test and Corrective Maintenance	Explosive Atmosphere Detection and Alarm System Performance Test and Corrective Maintenance explains the purpose of the detection and alarm system and discusses system inspections, performance tests, corrective maintenance, and abnormal operating conditions (AOCs) that may be encountered during the task. (15 min)
ASME-Based Covered Tasks	ASME-0561	Pressure Test: Nonliquid Medium - MAOP Less Than 100 psi	Pressure Test: Nonliquid Medium - MAOP Less Than 100 psi explains how to prepare for and conduct a pressure test on a pipeline with an MAOP less than 100 psi using a nonliquid medium, such as air or an inert gas. You will also learn about abnormal operating conditions (AOCs) you may encounter while conducting the test. (15 min)
ASME-Based Covered Tasks	ASME-0581	Pressure Test: Liquid Medium	Pressure Test: Liquid Medium explains how to pressure test a pipeline using a liquid medium, such as water or another liquid medium designated by the operator. It also provides information about test preparations and design, recordkeeping, and abnormal op
ASME-Based Covered Tasks	ASME-0591	Leak Test at Operating Pressure	Leak Test at Operating Pressure examines leak testing of pipelines at operating pressure, including the importance of tight pipeline connections and leak-free components; calibration, certification, and testing of equipment or media; and using leak-detection equipment. Recognizing and reacting to abnormal operating conditions (AOCs) is also discussed. (15 min)

ASME-Based Covered Tasks	ASME-0641	Visually Inspect Pipe and Components Prior to Installation	Visually Inspect Pipe and Components Before Installation explains the importance of inspecting pipe and pipe components, possible defect terms, the procedure for the inspection, and possible abnormal operating conditions (AOCs) that could be encountered while performing the inspection. (15 min)
ASME-Based Covered Tasks	ASME-0671	Joining of Plastic Pipe: Solvent Cement	Joining of Plastic Pipe: Solvent Cement explains the purpose of joining plastic pipe with solvent cement, lists the materials needed, describes how to prepare and make the connection, discusses how to inspect the connection, and lists abnormal operating conditions (AOCs) that may be encountered. (10 min)
ASME-Based Covered Tasks	ASME-0681	Joining of Plastic Pipe: Stab Fittings	Joining of Plastic Pipe: Stab Fittings explains the purpose of joining plastic pipe with stab fittings, materials needed, preparing for the connection, making the connection, and inspecting the connection. It also discusses abnormal operating conditions (AOCs) that may be encountered during the task. (10 min)
ASME-Based Covered Tasks	ASME-0691	Joining of Pipe: Nonbottom-Out Compression Couplings	Joining of Pipe: Nonbottom-Out Compression Couplings examines the procedure for joining pipe 2 inches or less in outside diameter with nonbottom-out compression couplings. Inspection of the joined pipe and abnormal operating conditions (AOCs) are also discussed. (15 min)
ASME-Based Covered Tasks	ASME-0701	Joining of Pipe: Bottom-Out Compression Couplings	Joining of Pipe: Bottom-Out Compression Couplings examines the procedure for joining pipe 2 inches or less in outside diameter with bottom-out compression couplings, including proper preparation and tightening. Inspection of the joined pipe and abnormal operating conditions (AOCs) are also discussed. (15 min)

ASME-Based Covered Tasks	ASME-0711	Joining of Pipe: Compression Couplings	Joining of Pipe: Compression Couplings examines the selection, preparation, installation, and inspection of compression couplings for joining pipes greater than 2 inches in diameter. Abnormal operating conditions (AOCs) are also discussed. (15 min)
ASME-Based Covered Tasks	ASME-0721	Joining of Pipe: Threaded Joints	Joining of Pipe: Threaded Joints explore how to join pipe with a threaded fitting and inspect the completed joint. The course examines key concepts such as pipe wall thickness and grade, diameter, thread type, pressure rating, and material. Abnormal operating conditions (AOCs) are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-0731	Joining of Pipe: Flange Assembly	Joining of Pipe: Flange Assembly examines the steps necessary to assemble flanges, bolt them sequentially, and apply the proper torquing. The types of flanges and gaskets are discussed, as well as preparations for flange assembly and inspection of the completed assembly. Abnormal operating conditions (AOCs) are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-0751	Joining of Plastic Pipe - Butt Heat Fusion: Manual	Joining of Plastic Pipe - Butt Heat Fusion: Manual discusses how to join plastic pipe using the butt fusion manual method. It also describes how to achieve an acceptable butt fusion joint. Abnormal operating conditions (AOCs) are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-0761	Joining of Plastic Pipe - Butt Heat Fusion: Hydraulic Machine	Joining of Plastic Pipe - Butt Heat Fusion: Hydraulic Machine discusses how to join plastic pipe using the butt fusion manual method using a hydraulic machine. It also describes preparing the pipe for joining, placing it in the hydraulic machine, and achieving a properly fused joint. Abnormal operating conditions (AOCs) are also discussed. (25 min)

ASME-Based Covered Tasks	ASME-0771	Joining of Plastic Pipe: Sidewall Heat Fusion	Joining of Plastic Pipe: Sidewall Heat Fusion discusses the sidewall heat fusion method for joining plastic pipe and the associated steps of the task, including the required preparation and the heating and fusion process. It also describes a proper and improper heat fusion joint and lists common problems and causes of failed joints. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (25 min)
ASME-Based Covered Tasks	ASME-0781	Joining of Plastic Pipe: Electrofusion	Joining of Plastic Pipe: Electrofusion discusses the electrofusion method of joining plastic pipe and the associated steps of the task, including the required preparation and the clamping and fusion process. It also describes proper and improper heat fusion and lists common problems and causes of failed joints or connections. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (30 min)
	ASME-0791	Joining of Plastic Pipe: Socket Heat Fusion	<i>Joining of Plastic Pipe: Socket Heat Fusion</i> discusses the purpose of the socket heat fusion method and the associated steps of the task, including preparation of the equipment, pipe, and fitting, as well as the heating and fusion process. It also describes a proper and improper socket heat fusion joint and lists common causes of failed joints. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-0821	Tubing and Fitting Installation: Instrument, Control, and Sampling	Tubing and Fitting Installation: Instrument, Control, and Sampling examines the service requirements for tubing installation, the adequacy of tubing and fittings for the intended service, and installation of tubing and fittings, including tube cutting and bending, and joining of tubing and fittings. Abnormal operating conditions (AOCs) are also discussed. (25 min)

ASME-Based Covered Tasks	ASME-0861	Installation of Steel Pipe in a Ditch	Installation of Steel Pipe in a Ditch discusses how to properly install steel pipe in a ditch. Discussions include proper pipe handling procedures, ditch and pipe inspection, pipe installation, backfill preparations, and abnormal operating conditions (AOCs). (20 min)
ASME-Based Covered Tasks	ASME-0871	Installation of Steel Pipe in a Bore	Installation of Steel Pipe in a Bore discusses the purpose of installing a steel pipe in a bore, proper pipe handling, inspection of pipe and coating, and the pull-in method into the bore. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-0881	Installation of Steel Pipe Plowing/Pull-In	Installation of Steel Pipe Plowing/Pull-In explains the plowing/pull-in method for installing steel pipe, including preparing the pipe and equipment, inspecting exposed pipe and its coating, placing and attaching the pipe, and plowing the pipe into the ground. Abnormal operating conditions (AOCs) are also discussed. (15 min)
ASME-Based Covered Tasks	ASME-0891	Field Bending of Steel Pipe	Field Bending of Steel Pipe explains how to perform field bending of steel pipe, including proper pipe preparation and equipment setup, the procedure for field bending steel pipe, and post-procedure inspection. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-0901	Installation of Plastic Pipe in a Ditch	Installation of Plastic Pipe in a Ditch explains how to properly handle the plastic pipe, visually inspect the ditch and the pipe, install the pipe and tracer wire, visually inspect the installed pipe, document the task, and react to any abnormal operating conditions (AOCs) that may be encountered. (15 min)
ASME-Based Covered Tasks	ASME-0911	Installation of Plastic Pipe in a Bore	Installation of Plastic Pipe in a Bore explains how to handle plastic pipe, install the pipe in a bore, visually inspect the pipe after installation, and react to abnormal operating conditions (AOCs) that may be encountered. (10 min)

ASME-Based Covered Tasks	ASME-0921	Installation of Plastic Pipe Plowing/Pull-In	Installation of Plastic Pipe Plowing/Pull-In explains how to properly handle the plastic pipe, install the pipe using the plowing/pull-in method, visually inspect the pipe after installation, and document the task. Abnormal operating conditions (AOCs) may be encountered while performing the task are also discussed. (10 min)
ASME-Based Covered Tasks	ASME-0931	Installation of Plastic Pipe by Plowing/Planting	Installation of Plastic Pipe by Plowing/Planting explains how to handle plastic pipe, how to install the pipe using the plowing/planting method, how to visually inspect the pipe after installation, and how to react to abnormal operating conditions (AOCs) that may be encountered. (10 min)
ASME-Based Covered Tasks	ASME-0935	Relocation of a Pipeline	Relocation of a Pipeline explains reasons you would move a pipeline, describes the preparation work and the process of moving a pipeline, and discusses post-inspection and related abnormal operating conditions (AOCs). (15 min)
ASME-Based Covered Tasks	ASME-0941	Install Tracer Wire	Install Tracer Wire explains the purpose of tracer wire for plastic pipe, how to install tracer wire, how to test the mechanical integrity and continuity after the wire is installed, and how to recognize and react to abnormal operating conditions (AOCs) that may be encountered during the task. (10 min)
ASME-Based Covered Tasks	ASME-0951	Installation of Pipe Aboveground	Installation of Pipe Aboveground explains the requirements for installing pipe aboveground, including the proper handling of pipe, anchor and support requirements, and inspection points. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (20 min)

ASME-Based Covered Tasks	ASME-0961	Aboveground Supports and Anchors: Inspection, Preventive, and Corrective Maintenance	Aboveground Supports and Anchors: Inspection, Preventive, and Corrective Maintenance explains the purpose of inspecting and maintaining aboveground pipe supports and anchors, as well as the procedure for inspecting and maintaining aboveground pipe supports and anchors. Abnormal operating conditions (AOCs) are also discussed. (15 min)
ASME-Based Covered Tasks	ASME-0971	Installation and Maintenance of Casing Spacers, Vents, and Seals	Installation and Maintenance of Casing Spacers, Vents, and Seals describes the basic components of casing systems, explains the procedures for installing and maintaining casing spacers, vents, and seals, and discusses possible abnormal operating conditions (AOCs) that may be encountered. (25 min)
ASME-Based Covered Tasks	ASME-0981	Backfilling	Backfilling describes how to prevent damage to a pipeline while backfilling a trench after maintenance, explains the procedure for backfilling a trench, and describes abnormal operating conditions (AOCs) that may be encountered. (20 min)
ASME-Based Covered Tasks	ASME-0991	Coating Application and Repair: Brushed or Rolled	Coating Application and Repair: Brushed or Rolled explains how to prepare and apply a protective coating to pipes, tanks, and other industrial surfaces using the brushed and rolled application techniques. It also discusses surface preparation, application techniques, and inspection points. Abnormal operating conditions (AOCs) are also discussed. (30 min)
ASME-Based Covered Tasks	ASME-1001	Coating Application and Repair: Sprayed	Coating Application and Repair: Sprayed explains how to apply protective coating to pipes, tanks, and other industrial surfaces using the sprayed application technique. The course covers surface preparation, proper application technique, and visual inspection points. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (25 min)

ASME-Based Covered Tasks	ASME-1011	External Coating Application and Repair: Wrapped	External Coating Application and Repair: Wrapped explains how to apply a protective coating to pipes, tanks, and other industrial surfaces using the wrapped application technique. The course covers surface preparation, proper application technique, and visual inspection points. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (25 min)
ASME-Based Covered Tasks	ASME-1041	Install Mechanical Clamps and Sleeves: Bolted	Install Mechanical Clamps and Sleeves: Bolted describes how to prepare for the installation of bolt-on mechanical clamps and sleeves, discusses precautions and installation procedures, and lists what to look for when inspecting installed clamps or sleeves.
ASME-Based Covered Tasks	ASME-1051	Fit-Up of Weld-Type Repair Sleeve	Fit-Up of Weld-Type Repair Sleeve explains the purpose for weld-type repair sleeves, the preparations required for fitting up weld-type sleeves, how to properly fit up weld-type sleeves, and abnormal operating conditions (AOCs) that may be encountered during the task. (10 min)
ASME-Based Covered Tasks	ASME-1071	Repair of Steel Pipe by Grinding	Repair of Steel Pipe by Grinding explains the purpose of grinding steel pipe for repairs, the importance of measuring pipe wall thickness, the steps for removing defects by grinding, and abnormal operating conditions (AOCs) that may be encountered during grinding. (10 min)
ASME-Based Covered Tasks	ASME-1081	Tapping a Pipeline (Tap Diameter 2 in. and Less)	Tapping a Pipeline (Tap Diameter 2 in. and Less) explains the purpose of performing a pipeline tap, states the difference between a hot tap and a tap, lists the preparation work needed, describes how to perform a hot tap, and lists abnormal operating conditions (AOCs) that may be encountered while performing a tap. (15 min)
ASME-Based Covered Tasks	ASME-1101	Tapping a Pipeline With a Built-In Cutter	Tapping a Pipeline With a Built-In Cutter explains the purpose of performing a pipeline tap, states the difference between a hot tap and a tap, describes how to perform a tap using a fitting with a built-in cutter, and lists abnormal operating conditions (AOCs) that may be encountered while performing a tap. (15 min)

ASME-Based Covered Tasks	ASME-1111	Tapping Cast and Ductile Iron Pipe and Low-Pressure Steel Pipe	Tapping Cast and Ductile Iron Pipe and Low-Pressure Steel Pipe explains the purpose of hot taps, how to prepare for a hot tap, the steps for performing a hot tap, including preparations and pressure testing, and abnormal operating conditions (AOCs) that may be encountered during the task. (15 min)
ASME-Based Covered Tasks	ASME-1121	Bagging and Stopping Low-Pressure Pipe	Bagging and Stopping Low-Pressure Pipe explains how to bag and stop low-pressure pipe, including inserting and removing the gas bag and monitoring pressure during the task. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (30 min)
ASME-Based Covered Tasks	ASME-1131	Stopper (Stopp) Pipe	Stopper (Stopp) Pipe explains the purpose of stopper line stopping, preparations for line stopping, installing and operating line stopping equipment, installing completion plugs, and abnormal operating conditions (AOCs) that may be encountered during the task. (15 min)
ASME-Based Covered Tasks	ASME-1141	Squeeze Off Plastic Pipe	Squeeze Off Plastic Pipe explains why squeezing off plastic pipe is necessary, how to make preparations to squeeze off plastic pipe, how to install the squeeze-off tool, how to perform a squeeze-off of plastic pipe, and potential abnormal operating conditions (AOCs) that may be encountered while performing the task. (15 min)
ASME-Based Covered Tasks	ASME-1151	Squeeze Off Steel Pipe	Squeeze Off Steel Pipe examines what to watch for when installing a squeeze-off tool on steel pipe, the required equipment, the general squeeze-off procedure, pressure monitoring during squeeze-off, and abnormal operating conditions (AOCs) that you may encounter during the procedure. (20 min)

ASME-Based Covered Tasks	ASME-1161	Installation of Customer Meters and Regulators: Residential and Small Commercial	Installation of Customer Meters and Regulators: Residential and Small Commercial explains how to install customer meters and regulators for homes and small businesses. Regulator and meter operation, overpressure protection, gas testing, and abnormal operating conditions (AOCs) are also examined. (25 min)
ASME-Based Covered Tasks	ASME-1171	Installing Customer Meters: Large Commercial and Industrial	Installing Customer Meters: Large Commercial and Industrial explains how to install customer meters for large commercial and industrial operations. The course includes all aspects of meter selection and installation, as well as abnormal operations (AOCs)
ASME-Based Covered Tasks	ASME-1181	Installing/Maintaining Customer Pressure-Regulating/Limiting, and Relief Devices: Large Commercial and Industrial	Installing/Maintaining Customer Pressure-Regulating/Limiting, and Relief Devices: Large Commercial and Industrial explains the purpose of and procedure for installing and maintaining pressure-regulating, pressure-limiting, and pressure-relief devices. It also discusses visual inspections, testing, and abnormal operating conditions (AOCs) that may be encountered during the task. (15
ASME-Based Covered Tasks	ASME-1191	Maintenance of Service Valves Upstream of Customer Meter	Maintenance of Service Valves Upstream of Customer Meter explains the purpose of the maintenance, visual inspections, maintenance and operation of the valve, and abnormal operating conditions (AOCs) that may be encountered during the task. (10
ASME-Based Covered Tasks	ASME-1201	Temporary Isolation of Service Lines and Service Discontinuance	Temporary Isolation of Service Lines and Service Discontinuance discusses temporarily disconnecting a service line, including identifying the appropriate meter, closing the gas riser valve, installing a standard service lock, and cutting and capping the line when required. Abnormal operating conditions (AOCs) that may be encountered are also discussed. (20 min)

ASME-Based Covered Tasks	ASME-1211	Odorization: Periodic Sampling	Odorization: Periodic Sampling teaches the user the steps to conduct periodic samples of the odorant concentration in a natural gas. The user will learn how to locate the testing site, perform a sniff test, and recognize conditions that may interfere with odorant testing. Abnormal operating conditions (AOCs) are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-1221	Odorization: Odorizer Inspection, Testing, Preventive and Corrective Maintenance	Odorization: Odorizer Inspection, Testing, Preventive and Corrective Maintenance explores inspecting, testing, and maintaining odorization systems. Odorization technologies, detection instruments, and abnormal operating conditions (AOCs) are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-1231	Inside Gas Leak Investigation	Inside Gas Leak Investigation explains the purpose of an inside gas leak investigation, test equipment verification, how to conduct the investigation, and the precautions that should be taken. Abnormal operating conditions (AOCs) that may be encountered during the task are also discussed. (10 min)
ASME-Based Covered Tasks	ASME-1241	Outside Gas Leak Investigation	Outside Gas Leak Investigation explains the purpose of an outside gas leak investigation, test equipment verification, how to conduct the investigation, and precautions to take. Abnormal operating conditions (AOCs) that may be encountered during the task are also discussed. (10 min)
ASME-Based Covered Tasks	ASME-1251	Hazardous Liquid Leak Investigation	Hazardous Liquid Leak Investigation explains the purpose of the investigation and the initial information required. It also discusses how to assess the suspected leak area, what to do if it is discovered, how to make the area safe, and whom to notify. Abnormal operating conditions (AOCs) that may be encountered during the task are also discussed. (15 min)

ASME-Based Covered Tasks	ASME-1261	Walking Gas Leakage Survey	The walking Gas Leakage Survey explains the purpose of the survey, inspection of the test equipment, conduction of the survey, documentation for the survey, and abnormal operating conditions (AOCs) that may be encountered. (10 min)
ASME-Based Covered Tasks	ASME-1291	Locate Underground Pipelines	Locating Underground Pipelines examines the procedure for locating underground pipelines, including placing temporary markers. The One-Call System, locating methods, the APWA Universal Color Code, and abnormal operating conditions (AOCs) are also described. (25 min)
ASME-Based Covered Tasks	ASME-1301	Install and Maintain Pipeline Markers	Install and Maintain Pipeline Markers discusses the location, placement, and maintenance of permanent pipeline markers. Abnormal operating conditions (AOCs) are also discussed. (25 min)
ASME-Based Covered Tasks	ASME-1311	Inspect Pipeline Surface Conditions: Patrol Right-of-Way or Easement	<i>Inspect Pipeline Surface Conditions: Patrol Right-of-Way or Easement</i> explores preparations, procedures, and follow-up actions for inspection of pipeline right-of-ways. Abnormal operating conditions (AOCs) are also addressed. (20 min)
ASME-Based Covered Tasks	ASME-1321	Damage Prevention During Excavation Activities by or on behalf of the Operator	<i>Damage Prevention During Excavation Activities, by or on behalf of the Operator, damage prevention activities before and during excavation are examined.</i> Abnormal operating conditions (AOCs) are also discussed. (20 min)
ASME-Based Covered Tasks	ASME-1331	Damage Prevention Inspection During Third-Party Excavation or Encroachment Activities as Determined Necessary by Operator	<i>Damage Prevention Inspection During Third-Party Excavation or Encroachment Activities as Determined Necessary by Operator</i> explores how to conduct damage prevention inspections, including recognizing and reacting to abnormal operating conditions (AOCs). (20 min)
ASME-Based Covered Tasks	ASME-1341	Provide or Ensure Adequate Pipeline Support During Operator-Initiated Excavation Activities	<i>Provide or Ensure Adequate Pipeline Support During Operator-Initiated Excavation Activities</i> and discuss supports for existing pipelines being excavated for maintenance or repair. Abnormal operating conditions (AOCs) are also discussed. (15 min)

ASME-Based Covered Tasks	ASME-1351	Vault Inspection and Maintenance	<i>Vault Inspection and Maintenance</i> discusses the requirements for inspecting and maintaining vaults that house pipeline system valves and other pressure-regulating or pressure-limiting equipment. Abnormal operating conditions (AOCs) are also discussed. (15 min)
ASME-Based Covered Tasks	ASME-1361	Station Emergency Shutdown System: Inspection, Testing, and Corrective Maintenance	<i>Station Emergency Shutdown System: Inspection, Testing, and Corrective Maintenance</i> addresses inspection, testing, and corrective maintenance of emergency shutdown systems for compressor and pumping stations. Abnormal operating conditions (AOCs) are also addressed. (20 min)
ASME-Based Covered Tasks	ASME-1411	Indirect Inspection Techniques	<i>Indirect Inspection Techniques</i> examines four methods of indirect inspection for pipelines, including alternating and direct current voltage gradient surveys, close interval surveys, and soil resistivity tests. Abnormal operating conditions (AOCs) are also discussed. (15 min)
ASME-Based Covered Tasks	ASME-1421	Direct Examination Techniques	<i>Direct Examination Techniques</i> address techniques used to assess pipeline damage, including mechanical, coating, and corrosion damage. The course also discusses abnormal operating conditions (AOCs) that may be encountered. (15 min)
ASME-Based Covered Tasks	ASME-1631	Launching and/or Receiving Internal Devices (Pigs) with a Temporary Launcher/or Receiver for Lines Out of Service (15 min)	Launching and/or Receiving Internal Devices (Pigs) with a Temporary Launcher/or Receiver for lines Out of Service discusses the purpose of pigging operations, explains how to launch pigs, and discusses abnormal operating conditions (AOCs) that may be encountered. (15 min)
ASME-Based Covered Tasks	ASME-1651	Purge - Flammable or Inert Gas	<i>Purge - Flammable or Inert Gas</i> explains the purpose of purging pipelines with natural gas, air, and inert gas; lists preparations for purging a pipeline; describes how to perform the purge; and discusses abnormal operating conditions (AOCs) that may be encountered. (15 min)