

Course Code	Course Name	Course Description
GAS-0163	Corrosion Mechanic Training	After completing specified Atmospheric Corrosion and Corrosion CBT Classes and meeting the pre-class field exposure requirements, candidates are eligible to attend this class. After successfully completing this 10 day class, the candidates will be able to understand and perform the duties of a corrosion mechanic safely and consistent with PG&E Standards and Guidelines. The class includes theory and practical application. At the successful completion of this first class, the students will be required to complete the post first class field exposure work within 6 months of completing the first class. After this step, the students will be enrolled in a 5 day, second class.
CSVC-0032	Three Week Basic	This course is designed to provide training in the duties performed by Gas Service Representatives. Participants gain the knowledge and skills needed to provide our customers prompt, efficient and client-valued service on gas appliances and other gas utilization equipment.
CSVC-0033	Fourth Week Advanced	This course is designed to provide advanced training in the duties performed by Gas Service Representatives. Participants gain the knowledge and skills needed to diagnose various gas appliance controls and small commercial/industrial package boilers for safe and proper operation.
CSVC-0034	Training Review	This course is designed to cover vital parameters for conducting training reviews uniformly on a system-wide basis to enhance effective supervision and training for Gas Service Representatives. Client value and safety is provided.
GAS-0164	As-Built / Job Packet Training	This course is designed for personnel who are responsible for completing the documentation for applicant/contractor installed gas and electric distribution systems.
GAS-0165	Appr Wtr Sys Repairman/Elect Mach - OA W	This course is designed to provide the students with the necessary knowledge and manipulative skills to perform industrial oxy-acetylene fusion welding and cutting on steel plate. Students will also learn how to cut steel plate by using Plasma cutting equipment.
GAS-0166	Appr Wtr Sys Repairman/Elect Mach - Arc	This course is designed to provide the students with the necessary knowledge and manipulative skills to perform Shielded Metal-Arc Welding (SMAW) on steel plate.
GAS-0167	Advanced Mercury TOC	This course provides a lecture presentation and hands-on instruction for gas metering facilities that combine the Mercury TOC and Invensys Auto Adjust Turbo meter for gas measurement. The theory of operation when interfacing the Mercury Corrector and Auto Adjust meter will be explained.

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GAS-0168	Corrosion - Rectifier Training	The rectifier course teaches the essentials of rectifier maintenance and installation. In this class the corrosion mechanics will work with mostly low voltage equipment, but they will be dealing with connections to standard PG&E electrical service when they wire the rectifier to the AC main disconnect switch. This procedure is only done when there is no power present. It is the Electric Department's responsibility to work on energized lines. This course is designed to train Corrosion Mechanics in the skills required to install, troubleshoot, and maintain rectifier systems.
GAS-0169	Appr Wtr Sys Repairman/Elect Mach - MIG	This course is designed to provide the students with the necessary knowledge and manipulative skills to perform Metal Inert Gas (MIG) welding on steel plate.
GAS-0170	Corrosion (WBT) Module 1 - Basics	This module covers the theory behind the corrosion process. It defines corrosion, explains a corrosion cell and covers the electrical circuit theory necessary to understand how corrosion affects the gas distribution system.
GAS-0171	Corrosion Module 2 - Causes	This is the second of the web based modules for corrosion mechanics. It covers the causes of corrosion, the galvanic series and relationships between metals and how environmental factors affect corrosion.
GAS-0172	Corrosion Module 3 - Environmental	This is the third of the web based modules for corrosion mechanics. In it, you will learn how insulation and isolation are used to passively protect piping systems from corrosion.
GAS-0173	Corrosion Module 4 - Cathodic Prot	This is the fourth web module for corrosion mechanics. In it, you will learn about impressed current cathodic protection systems -- when they're called for, conditions that may affect their performance and all their major components.
GAS-0174	Technical Cross Trng For Const Foreman-P	Prepares Electric Construction foremen who will be supervising gas construction crews in which they have little background or experience. Covers gas system fundamentals, construction methods & safety.
GAS-0175	Atmospheric Corrosion (WBT) - Aggressive	This course teaches OM&C employees to identify corrosion damage to gas pipelines and facilities and determine the timeframe for repair.
GAS-0176	Atmospheric Corrosion (WBT) - Non Aggres	This course teaches OM&C employees to identify corrosion damage to gas pipelines and facilities and determine the timeframe for repair.
GAS-0177	Designated Company Representative for PI	An individual qualified by GD&TS to conduct plastic pipe connection qualifications pursuant to 49CFR-Part 192, Subpart F, and all applicable company standards.

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GAS-0178	Technical Gas M&C Review	This class is designed as journeyman refresher training for technical gas measurement and control personnel who have not consistently performed maintenance, and operating tasks associated with pneumatic regulation, pneumatic controllers and control systems, and remote gas SCADA RTU's within the last five years.
GAS-0179	Inspection Process Guide	The inspection process course teaches students how the inspection process works which promotes consistency system wide.
GAS-0181	Totalflow X-Series Installation & Mainte	This 5-day course provides an overview of the Totalflow XFC Series flow computer and explains how flow is calculated in differential and pulse type computers. In addition, the students will learn how to configure the PCCU laptop computer to serve as the interface emulation tool when communicating with the XFC and to use the various operating menus to provide initial setup, calibration and maintenance functions. The class will emphasize installation, troubleshooting, parts replacement and calibration of the Analog Measurement Unit (AMU) and RTD (Resistive Temperature Device) probe. The course will also introduce the WinCCU remote communication program to the student. This course uses a combination of lectures and labs reinforce the learning objectives.
GAS-0182	Auto-Adjust Turbine Metering	Discussion of Auto-Adjust turbine meter principles and theory of operation. Students will develop the ability to identify key meter components and perform suggested maintenance procedures.
GAS-0183	Basic Scada Pack 32	Supervisory Control and Data Acquisition (SCADA) systems are used throughout PG&E for gathering data related to pipeline operation or equipment systems. Data can be transmitted via radio (microwave), wireless (cell phone), or lease line (hardwire phone) to computers for consolidation, analysis and reporting. This course focuses on the installation, configuration, operation and maintenance of remote terminal units (RTUs) and field devices used to collect information from PG&E's natural gas pipelines.
GAS-0184	Gas Tapping and Plugging & Valve Changer	Gas Tapping and Plugging is provided for initial applications and annually for requalifying employees on plugging and hot tapping into gas mains. Participants will be able to change a gas valve on pressurized gas mains per the requirements of General Order 112-E and PG&E Gas Standard Section "C". The training covers a wide variety of tapping and plugging equipment, fittings and procedures. The course is targeted for Title 200 & 300 and CGT that work on Gas Pressured mains. Gas supervisors, estimators, service planners, engineers may be interested in attending.
GAS_-0185 GAS-0186	Mark & Locate & Protection Underground I Static Elect. for Gas Plastic Pipe & Pla	This training covers a wide variety of plastic system construction tools, equipment and procedures.

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GAS-0187	Advanced Corrosion Mechanic Training	After completing the first Corrosion Mechanic class and the post first class field exposure work requirements, the participants will refine and re-enforce their cathodic protection skills and knowledge learned in the first class. The class will specifically focus on CP Design and Re-survey activity and requirements. The class includes theory and practical application.
GAS-0188	Mark & Locate/PUI for Electric Departmen	As a member of Underground Service Alert (USA), PG&E is obligated to identify the location of underground facilities for other member agencies needing to work near them. The purpose of Mark and Locate is to provide systematic and thorough training in safe work procedures that result in accurate marking of underground gas and electric facilities. Initially, the training will be provided by Gas Training and Technical Support. However, we will also provide all materials and work with a local trainer in those divisions that want to be prepared to deliver similar training in the future.
GAS-0189	On Call Presentation-Non Traditional Gas	Course targeted to Non-traditional Gas Supervisors to identify gas emergency situations.
GAS-0190	Accessing Electric Enclosures for Mark a	As a member of Underground Service Alert (USA), PG&E is obligated to identify the location of underground facilities for other member agencies needing to work near them. The purpose of Mark and Locate is to provide systematic and thorough training in safe work procedures that result in accurate marking of underground electric facilities and accessing electric enclosures. Select the most appropriate method to locate an electrical cable.
GAS_-0191 GAS-0200	Mark and Locate Computer Mobile Field Un Cabling Construction	This one day course will instruct the student in how to interpret cable drawings and custom build communication cabling.
GAS-0201	PLC's and Data Collection for Gas Techni	Gas pipelines and compressor stations have numerous mechanisms (compressors, valves, fans, etc.) which must be constantly controlled and monitored. To do this, PG&E uses various sensors, control devices, and control systems that collect and display data and transmit operating commands. This module covers the various Genius blocks and Bus Controllers used at PG&E facilities.
GAS-0202	Rosemount Transmitters	2-day Training Session, including Course # 2321 (3144P/3144/3244), 2308 (3051S), and 2343 (3095MV)
GAS-0300	Mobile Computing Ergonomics	An online module that gives basic information about using mobile computers in vehicles. Ergonomic risks are discussed, along with ways to minimize them. A section of the training shows how to adjust the mobile computer mounts.

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GAS-0500	Company Gas Emergency Plan - Gas Dispat	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.
GAS-0501	Company Gas Emergency Plan - Gas Dispat	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.
GAS-0502	Company Gas Emergency Plan - Call Center	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.
GAS-0503	Company Gas Emergency Plan - Call Center	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.
GAS-0504	Company Gas Emergency Plan - Gas Cust F	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.
GAS-0505	Company Gas Emergency Plan - Gas Cust F	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.
GAS-0506	Company Gas Emergency Plan - OM&C-Em	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.
GAS-0507	Company Gas Emergency Plan - OM&C-Mgrn	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.

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GAS-0507	Company Gas Emergency Plan - OM&C-Mgm	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.
GAS-0508	Company Gas Emergency Plan - Engineering	Plan for natural and man-made emergencies such as fires, floods, storms, earthquakes, and civil disturbances. Respond rapidly and effectively to protect the public and to restore essential utility service following such emergencies. Help to alleviate emergency-related hardship and assist communities to return to normal activity.
GAS-0510	Using GasView - WBT	Hands-on overview on using the basic functions of the Gasview application.
GAS-0511	Transmission Coatings OQ Initial Trainin	The topics covered in this class include: - Coating Types and Selection. - Pipe Surface Preparation and Application for Two-Part Epoxy. - Pipe Surface Preparation and Application for Wax Tape. - Detecting Holidays - Jeeping. - Coating Removal.
GAS-0515	Reading Operating Maps and Diagrams	This on-line course covers the symbols used on Operating Maps and Diagrams as well as how the maps and diagrams are configured. Typical equipment arrangements are also explained and illustrated.
GAS-0162	Becker Operator Training	Introduction to Becker principles of operation, explanation of associated component functions, suggested maintenance procedures and applied lab training exercises.
GAS-0011	Chromatographs	The chromatograph is one of the electronic tools currently being used to evaluate the component content of natural gas. The Chromatograph course covers specific techniques for routine operation and maintenance of the Daniel's Analyzer and the 2251 Controller. The training is further enhanced with lab exercises to provide the opportunity to practice maintenance procedures.
GAS_-0015 GAS_-0016 GAS-0020	Mark & Locate Leak Survey Anode Installation	Supervisory Control and Data Acquisition (SCADA) systems are used throughout the company for gathering discrete data related to the operation of equipment or systems. Typically, this data is transmitted via radio, microwaves, or lease line to computers for consolidation, analysis and reporting. This course focuses on the installation, configuration, operation and maintenance of remote terminal units (RTUs) and field devices used to collect information from PG&E's natural gas pipelines.
GAS-0028	Overview of Corrosion	The Overview of Corrosion course covers the basic principles, concepts and tools for performing corrosion type work. Participants will be able to explain the fundamentals of corrosion control activities.

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GAS-0032	Totalflow CCU Editing	This course is designed for the field user of the Totalflow electronic correcting flow recorder. Prior to delivery of the field flow data to industrial billing, the field data needs to be reviewed by field personnel for accuracy. This class will provide step by step instruction on proper installation of Totalflow Editing software, setup of computer and printer devices, making field corrections to data and issuing standard reports.
GAS_-0033 GAS-0034	Gas Tapping & Plugging GSO-Short Course	The GSO Short Course covers the basic principles and concepts of natural gas measurement, regulation, gas quality control and maintenance procedures. Participants will also be introduced to the information required for writing station and pipeline clearances. Attendees will also have a better understanding of the PG&E gas transmission and distribution systems after completing the course.
GAS-0038	Solutions to Pipeline Fitting	The purpose of the Solutions to Pipeline Fitting course is to provide the student with the necessary information and skills to use specific mathematical formulas to aid them in the fabrication of piping offsets. Our goal is to present the math and fitting principles in a simple, easy to understand, and usable format. We will be in the classroom demonstrating and solving problems to reinforce the learning process. Fitters, Welders, and Foreman in the construction of gas pipelines or in the construction of power piping systems will find direct application for their fabricating situations.
GAS-0039	Enhanced Pipeline Welding	The purpose of the Pipeline Welding Skills course is to enhance the welding manipulative skills and to present technical information to the Welder. The course is especially structured towards gas pipeline construction and maintenance. The Oxygen Acetylene Shielded Metal Arc, Gas Metal Arc, or Gas Tungsten Arc welding processes are available. The student will be able to recognize and work towards producing a high- quality pipeline weld. Students should have beginning and/or intermediate welding skills in preparation for the class.
GAS_-0083 GAS-0085	M&C SCADA M&C Short Course	The M&C Short Course covers the basic principles and concepts of natural gas measurement, regulation, gas quality control and maintenance procedures. Participants will be able to explain the fundamentals of the PG&E gas transmission and distribution systems after completing the course.
GAS-0087	Rosemont Transmitter	Introduction to Rosemont transmitter operation, application and calibration procedures. Traditional hands on transmitter calibrations and calibrations utilizing the electronic communicator unit.
GAS_-0088	Static Electric for Gas Plastic Pipe	

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GAS-0089	Valve Changer	The purpose of the Valve Changer course is to provide gas employees with the knowledge and skill necessary to remove defective service riser valves from distribution services ranging from ¾" to 1-1/4" in diameter. The class will focus on actual removal of valves under 60 psig of air pressure.
GAS-0090	WINCUU Windows Version	No information available.
GAS-0091	Protection of Underground Infrastructure	The purpose of the Protection of Underground Infrastructure course is to review with gas and electric employees Company Policies and Standard as wells as Underground Service Alert requirements for protecting Company and third party facilities during excavation activities.
GAS-0103	Aluminum Welding I	This course is designed to train and certify students to weld aluminum bus bars and fittings for electrical connections in Substations. The welding process used is the Gas Metal Arc, spray transfer. There will be hands-on instruction, practice, and feedback to gain the necessary skills.
GAS-0104	Aluminum Welding II	This course is designed to train and certify students to weld aluminum bus bars and fittings for electrical connections in Substations. The welding process used is the Gas Metal Arc, spray transfer. There will be hands-on instruction, practice, and feedback to gain the necessary skills.
GAS-0106	Automated Meter Reading	PG&E's Automated Meter Reading System (AMR) makes use of electronic correctors and telecommunication technology to read gas meters remotely. This course provides an overview of the corrector installation, configuration, operation, maintenance and troubleshooting techniques.
GAS-0107	Ultrasonic Metering	Background and discussion of ultrasonic metering. Introduction to ultrasonic meter applications, software and calibration procedure presentation and associated component product line.
GAS-0108	Fieldperson - Primary	Extensive on-the-job training and academic training to qualify employees for duties defined in the Fieldperson classification. Program prepares employees for future non-welding foreman positions. These duties are to be performed in a manner consistent with company standards.
GAS-0109	Fieldperson - Secondary	Extensive on-the-job training and academic training to qualify employees for duties defined in the Fieldperson classification. Program prepares employees for future non-welding foreman positions. These duties are to be performed in a manner consistent with company standards.
GAS-0110	Fieldperson - Final	Extensive on-the-job training and academic training to qualify employees for duties defined in the Fieldperson classification. Program prepares employees for future non-welding foreman positions. These duties are to be performed in a manner consistent with company standards.



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GAS-0111	Technical Cross Trng For Const Foreman-P	Prepares Electric Construction foremen who will be supervising gas construction crews in which they have little background or experience. Covers gas system fundamentals, construction methods & safety.
GAS-0112	Technical Cross Trng For Const Foreman-P	Prepares Electric Construction foremen who will be supervising gas construction crews in which they have little background or experience. Covers gas system fundamentals, construction methods & safety.
GAS-0113	Appr Measurement & Control Mechanic - Pr	The Apprentice Gas Measurement and Control Mechanic course focuses on preparing apprentices to perform the duties defined for gas measurement and control mechanic, General Construction gas technician & CGT transmission mechanic classifications. The first of three classroom sessions that supplement formal training with on-the-job training. Topics presented during the Primary session include gas metering techniques, basic regulation, recorder calibration, gas quality management, automated gas metering, test equipment and valve maintenance.
GAS-0114	Appr Measurement & Control Mechanic - Se	The Apprentice Gas Measurement and Control Mechanic course focuses on preparing apprentices to perform the duties defined for gas measurement and control mechanic, General Construction gas technician & CGT transmission mechanic classifications. The second of three classroom sessions that supplement formal training with on-the-job training. Topics presented during the Secondary session include vault maintenance, basic regulation, theory of operation, regulator applications and system overpressure protection processes.
GAS-0115	Appr Measurement & Control Mechanic - Fi	The Apprentice Gas Measurement and Control Mechanic course focuses on preparing apprentices to perform the duties defined for gas measurement and control mechanic, General Construction gas technician & CGT transmission mechanic classifications. The third of three classroom sessions that supplement formal training with on-the-job training. Topics presented during the Final session include basic controller theory, equipment applications, controller tuning and system troubleshooting.
GAS-0117	Corrosion Review	This course is designed to familiarize gas construction workers with the basic requirements for installing and maintaining a corrosion system for gas mains and services.
GAS-0120	Apprentice Equipment Mechanic-Primary	This course is designed to provide the students with the necessary knowledge and manipulative skills to perform industrial oxy-acetylene fusion welding on steel plate/pipe. The course starts with cutting and welding techniques for 10 gauge steel plate, producing fillet and open groove butt welds in the flat, vertical and overhead positions.

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GAS-0121	Apprentice Equipment Mechanic-Secondary	This course is designed to provide the students with the necessary knowledge and manipulative skills to perform industrial arc-welding on steel plate/pipe. The course starts with welding techniques for 3/8" steel plate, producing fillet and open groove butt welds in the flat, vertical, and overhead positions.
GAS-0122	Apprentice Equipment Mechanic-Final	This course is designed to provide the students with the necessary knowledge and manipulative skills to perform MIG welding and plasma cutting on steel plate/pipe. The course starts with welding techniques on 3/8" steel plate, producing fillet and open groove butt welds in the flat, vertical, and overhead positions. Students will also learn fabrication of steel structures.
GAS-0123	Apprentice Fitter - Primary	Includes extensive on-the-job training, shop training and related academic training to equip apprentices with the necessary skills and self-confidence needed to perform job duties defined for the journeyman fitter classification. This training is consistent with company standards and apprenticeship agreement.
GAS-0124	Apprentice Fitter - Secondary	Includes extensive on-the-job training, shop training and related academic training to equip apprentices with the necessary skills and self-confidence needed to perform job duties defined for the journeyman fitter classification. This training is consistent with company standards and apprenticeship agreement.
GAS-0125	Apprentice Fitter - Final	Includes extensive on-the-job training, shop training and related academic training to equip apprentices with the necessary skills and self-confidence needed to perform job duties defined for the journeyman fitter classification. This training is consistent with company standards and apprenticeship agreement.
GAS-0130	Gas Tapping & Plugging 3" - 8" PCF's	Tapping and plugging operations of larger diameter split pressure control fittings.
GAS-0132	On-Call Presentation for Electric Superv	Course targeted to Supervisors to identify gas emergency situations.
GAS-0133	Bristol 624 Refresher Training	Refresher training on the inspection, calibration and maintenance of the Bristol 624-II pneumatic controller.
GAS-0134	Operator Qualification Annual Review	In this class students will review PG&E's Operator Qualification Program and its requirements, discuss the Abnormal Operating Conditions, and review Utility Tasks/Subtasks with employees who perform DOT Gas covered and non covered tasks.
GAS-0137	Operator Qualification TNT for Evaluator	This class will discuss the necessary requirements associated with being an Evaluator for the PG&E Operator Qualification Program.
GAS-0138	Oxy-Acetylene Welding Introduction	This course is to provide the students with the necessary knowledge and manipulative skills to perform industrial oxy-acetylene fusion welding on steel plate / pipe. The course starts with cutting and welding techniques for 10 gauge steel plate, producing fillet and open groove butt welds in the flat, vertical, and overhead position welds.

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GAS-0142	Corrosion Training For Estimators & ADE'	This course covers the basic principles, concepts and tools for performing corrosion type work. Students will be able to explain the fundamentals of corrosion control activities.
GAS_-0143 GAS-0144	Mark & Locate Instrument Workshop Low Pressure Tapping, Plugging & Bagging	Tapping, Plugging & Bagging operations on low pressure facilities (Cast Iron and Steel Pipe).
GAS-0145	Applicant Installed Field Representative	Course instruction includes contract compliance, general terms and conditions, both gas and electric specific conditions, and how to create and properly maintain all documentation that is associated with applicant installed facilities.
GAS-0146	Advanced Mercury Training	Advanced training for Mercury ECAT, Mini AT, TOC configuration, calibration, Firmware upgrade procedures & communication modem links.
GAS-0147	Apprentice Welder G.C. O/A 1	The purpose of this program is to educate and develop the apprentice welder into a proficient journeymen welder. The apprentice will receive up-to-date welding skills training in pipeline construction. They will also be given the necessary technical theory, along with extensive math instruction for pipe fitting.
GAS-0148	Apprentice Welder G.C. O/A 2	The purpose of this program is to educate and develop the apprentice welder into a proficient journeymen welder. The apprentice will receive up-to-date welding skills training in pipeline construction. They will also be given the necessary technical theory, along with extensive math instruction for pipe fitting.
GAS-0149	Apprentice Welder G.C. Arc 1	The purpose of this program is to educate and develop the apprentice welder into a proficient journeymen welder. The apprentice will receive up-to-date welding skills training in pipeline construction. They will also be given the necessary technical theory, along with extensive math instruction for pipe fitting.
GAS-0150	Apprentice Welder G.C. Arc 2	The purpose of this program is to educate and develop the apprentice welder into a proficient journeymen welder. The apprentice will receive up-to-date welding skills training in pipeline construction. They will also be given the necessary technical theory, along with extensive math instruction for pipe fitting.
GAS-0151	Apprentice Welder G.C. Arc 3	The purpose of this program is to educate and develop the apprentice welder into a proficient journeymen welder. The apprentice will receive up-to-date welding skills training in pipeline construction. They will also be given the necessary technical theory, along with extensive math instruction for pipe fitting.

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GAS-0152	Apprentice Welder G.C. Arc 4	The purpose of this program is to educate and develop the apprentice welder into a proficient journeymen welder. The apprentice will receive up-to-date welding skills training in pipeline construction. They will also be given the necessary technical theory, along with extensive math instruction for pipe fitting.
GAS-0153	Apprentice Welder G.C. Arc 5	The purpose of this program is to educate and develop the apprentice welder into a proficient journeymen welder. The apprentice will receive up-to-date welding skills training in pipeline construction. They will also be given the necessary technical theory, along with extensive math instruction for pipe fitting.
GAS-0154	Pipeline Welding Fundamentals	The purpose of the Pipeline Welding Fundamentals course is to provide the gas employee with an overview of fundamental field practices associated with gas pipeline construction and maintenance. The class will focus on welding processes and common pipeline field procedures for construction and maintenance.
GAS-0156	Overview of Gas Tapping and Plugging	This class provides a review of the gas tapping and plugging equipment to construction personnel. The course will explain and familiarize employees with the features and functions of the Mueller E-4, E-5, D-4, D-5 tapping/plugging machines and associated tools.
GAS-0157	Relighting Gas Appliance	Follow safe lighting procedures for placing various gas appliances into operation. Identify obvious hazards, potential hazardous conditions, and venting of appliances.
GAS-0158	Live Insertion	The purpose of the Live Insertion course is to provide the information and skills necessary to insert a smaller diameter plastic pipe directly into an existing cast iron or steel main, while the old main remains in service under pressure. These duties are to be performed in a safe manner consistent with company standards.
GAS-0159	Meter and Regulator Introduction	This course is designed to enhance your knowledge and skills, enabling you to safely re-establish gas service to customers in a timely manner.
GAS-0160	Plastic System Training	This training covers a wide variety of plastic system construction tools, equipment and procedures.
GAS-0203	Hot Tank Procedure for Construction	This course reviews the associated procedures and safe methods for using a hot tank. Each participant will have hands on practice.
GAS-0516	Leak Survey Documentation Review	On-line review of Leak Survey documentation requirements and changes for 2008
GAS-0204	Leak Survey Assess:Remote Methane/Opt. M	This assessment provides the learner with an opportunity to perform job tasks associated with Remote Methane Leak Detector (RMLD) and Optical Methane Detector (OMD) devices. This assessment is delivered using a combination of interview questions and hands-on demonstration.

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GAS-0205	Leak Survey: Remote Methane Leak Detecto	Leak survey remote methane detector training is a supplement training course to Leak Survey Detection & Grading for those individuals that have Heath Remote Methane Leak Detector (OMD) equipment. This course is to equip the operator too safely and effectively test, operate and maintain a RMLD device. He/She will become familiar with the Heath RMLD device and principles of operation. In addition the student will interpret and apply display and audio information, and will be able to state the factors that affect survey results.
GAS-0206	Leak Survey: Optical Methane Detector	Leak survey optical methane detector training is a supplement training course to Leak Survey Detection & Grading for those individuals that have Heath Optical Methane Detector (OMD) equipment. This course is to equip the operator too safely and effectively test, operate and maintain an OMD device. He/She will become familiar with the Heath OMD device and principles of operation. In addition the student will interpret and apply screen display and audio information, and will be able to state the factors that affect survey results.
GAS-0192	Mueller Gas Tape & Plug 3/4 "- 4" Contro	This course is designed to train employees on tapping and plugging using the "E" series and "D" series Mueller Drilling Machines and the Unit #1 plugging machine. This course covers 3/4" thru 4" Mueller Top Tap (M-2) Control Fittings, 3/4" thru 2" Mueller Split Fittings, 3/4" thru 2" Mueller service tees, 1" thru 2" Mueller Valve tees, and 1" thru 2" Mueller save-a-valve nipples, per PG&E Gas Standard Section "C". This course covers all skills associated with OQ Sub-Tasks 06-01, 06-02, 06-03, and 06-12
SMRT-0016	SmartMeter Gas Module Installations	This course is designed to train GSRs on all relevant work procedures and tools necessary to install and maintain SmartMeter gas modules.
GAS-0193	Mueller Tap & Plug 3/4"- 2" Tees & Valve	This course is designed to train employees on tapping and plugging 3/4 "thru 2" Service Tees and operating the Mueller H-17010 3/4" thru 1 1/4" Valve Changer per the requirements of General Order 112-E and PG&E Gas Standard Section "C". This course covers all skills associated with OQ Sub-Tasks 06-01, 06-10
GAS-0207	Leak Survey Detection & Grading	Leak survey detection and grading presents an overview of the leak survey process and reviews the current gas standards, guidelines, and bulletins that apply to the leak survey. The student will inspect, calibrate, and perform minor maintenance on various leak survey instruments. He/She will perform routine leak survey, grading and complete associated documentation per established standards, guidelines, and bulletins. This course prepares the student to meet the requirements of Operator Qualification subtask OQ 09-01 (Conduct Survey).

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GAS-0208	Leak Survey Lab	This is a practical applications course where students are provided the opportunity to ask questions to gain clarity in the theory and operation of Leak Survey equipment, standards and practices. In addition, students will be provided with hands-on demonstration sessions to reinforce equipment calibration and operation practices. This class can be taken multiple times.
GAS-0517	Gas Information Bulletin #247	Reviews Gas Information Bulletin (GIB) #247, "Gas and Electric M&O Records Requirements.
GAS-0209	Mark & Locate Lab	This is a practical applications course where students are provided the opportunity to ask questions to gain clarity in the theory and operation of underground locating equipment, standards and practices. In addition, students will be provided with hands-on demonstration sessions to reinforce equipment calibration and operation practices. This class can be taken multiple times.
GAS-0519	Apprentice Fitter Orientation	This WBT is an introduction to the Apprentice Fitter classification. It is intended to provide prospective apprentice fitters an overview of the type work an apprentice fitter might expect to participate. Each prospective apprentice must review this WBT to fulfill a prerequisite requirement prior to accepting an apprentice fitter position.
GAS-0210	Mark & Locate Theory, App., and IRTHNet	This course consists of mark and locate theory, equipment operation and serviceability, standards and work procedures, and hands-on exercises to reinforce the course learning objectives.
GAS-0211	Mark & Locate Overview	This course provides the student with an overview of Mark & Locate process used at PG&E. This includes the process of protecting underground infrastructure. In addition, the Underground Service Alert (USA) process is explained and the students are provided hands-on training with various locating devices.
GAS-0518	Gas Standards Update #60 Package	Update to Gas Standards and Specifications Manual
GAS-0520	M&C Skills Maintenance 2008	This class is designed as a technician / journeyman refresher training course for gas measurement and control personnel. Topics included in this course are theory of regulation, review of current District Regulator Station Standard, performance of maintenance procedures, documentation completion and local regulation facility field visits.
GAS-0521	Gas T&D Arc Flash Hazard Control	From the Gas Transmission and Distribution Work Procedure 4413-03, learners are presented information about how to identify arc-flash hazard work areas, how to evaluate the level of a hazard, and determine how to eliminate, control, or protect from the hazard.

Course Code	Course Name	Course Description
GAS-0522	Leak Survey Detection & Grading - Superv	Leak survey detection and grading presents an overview for supervisors of the leak survey process and reviews the current gas standards, guidelines, and bulletins that apply to the leak survey. The student will inspect, calibrate, and perform minor maintenance on various leak survey instruments. He/She will participate in leak survey and grading demonstrations, and will complete associated documentation per established standards, guidelines, and bulletins. This course enables the supervisor to lead his/her workgroup in the leak survey process.
GAS-0523	Mark & Locate - Supervisor	This course consists of mark and locate theory, equipment operation and serviceability, standards and work procedures, and hands-on exercises to reinforce the course learning objectives for supervisors.
GAS-0524	Leak Survey Overview	Leak survey overview presents the basics of the leak survey process and reviews the current gas standards, guidelines, and bulletins that apply to the leak survey. The student will be introduced to the inspection, calibration, and maintenance procedures on various leak survey instruments. He/She will participate in leak survey and grading demonstrations, and will complete associated documentation per established standards, guidelines, and bulletins. This course enables the student to participate in the leak survey process on the job.
GAS-0525	Assessing and Working with Hazardous / G	This course provides knowledge and skills required for assessment, and working safely and efficiently in a hazardous and/or gaseous atmosphere. This training supports the work practice that details the process when the first responder shows up and ends when the pipeline is made safe. This course applies the process steps of USP 22 including identification, assessment, appropriate controls and re-evaluation of controls. Also included, are the proper selection, use, care, maintenance and storage of a flash suit and related equipment.
GAS-0600	Mark & Locate of Gas Transmission Pipeli	This tailboard re-communicates our Company's standard to conductively locate gas transmission pipelines.
GAS-0530	Leak Investigation and Repair	Leak investigation and repair is a course designed for personnel who will conduct follow-up investigation after initial leak detection and grading processes have been completed. Students will receive an overview of the leak investigation process and learn how to center and pinpoint suspected leaks. In addition, the student will review gas standards, work procedures, information bulletins, and vendor documentation pertaining to equipment and tools used in the leak investigation and repair processes.
GAS-0400	Gas Clearance Process Initial Training W	

Course Code	Course Name	Course Description
GAS-0401	Gas Clearance Process Training	
GAS-0402	Refresher Gas Clearance Process Training	
GAS-0531	Basic Regulation Theory	
GAS-0532	Assessment for Fitter Progression	This class is a pre-requisite for individuals seeking an apprentice fitter position. This course introduces prospective apprentice fitters to the safe operation of Oxyacetylene welding. The individual will learn to inspect, set up, and operate welding equipment. He/she will perform welds on flat plate and pipe. At the end of this class, the individual will be provided performance feedback to enable him/her to make a decision to enter the apprentice fitter position.
GAS-0650	GSR Leak Grading Train-the-Trainer	
GAS-0651	GSR Electrical Lab	PG&E and the union have collaborated to create processes designed to improve service response time and provide better customer service. This will result in the GSRs taking on some new tasks, both gas and electric. GSRs must learn new skills as part of their revised and expanded roles and responsibilities. The Basic Electric Lab is one course in the New Tasks series. In this specific course, students will learn how to identify hot and neutral wires so that their safety will be maintained while splicing wires working with weatherheads and performing all new electrical tasks. Students will also work to build simple series and parallel circuits so that they can see how the systems all tie in together (i.e. weatherhead into home; flow through parallel circuits; and identify where problems could exist in the circuit.) By the time you complete this module, you will be able to: <input type="checkbox"/> <input type="checkbox"/> Work in compliance with electrical safety practices. <input type="checkbox"/> <input type="checkbox"/> Identify hot legs and neutral legs. <input type="checkbox"/> <input type="checkbox"/> Splice wires. <input type="checkbox"/> <input type="checkbox"/> Build simple series and parallel electrical circuits. <input type="checkbox"/> <input type="checkbox"/> Troubleshoot and repair a simple el
GAS-0652	GSR New Electrical Tasks	As a result of newly negotiated union agreements and new mandates from the California Public Utilities Commission; GSRs are required to perform certain tasks related to gas and electrical job functions designed to improve service response time and to provide better customer service. This course is one of a series of course designed to assist GSRs in reaching their newly defined performance goals. This course will focus on the following: <input type="checkbox"/> <input type="checkbox"/> Practicing Electrical and Ladder Safety <input type="checkbox"/> <input type="checkbox"/> Troubleshooting overhead electrical problems <input type="checkbox"/> <input type="checkbox"/> Using the Beast of Burden to determine responsibility for voltage issues. <input type="checkbox"/> <input type="checkbox"/> Connecting and disconnecting service at weatherheads <input type="checkbox"/> <input type="checkbox"/> Connecting service at secondary splice boxes



Course Code	Course Name	Course Description
GAS-0653	GSR Leak Grading	<p>This course has been specifically designed to meet the needs of current GSRs who are taking on new responsibilities related to leak grading. The training provides instruction in the knowledge and skills the leak grading tasks require. Leak grading is an important part of PG&amp;E's commitment to safety. Ignored or improperly graded leaks are a hazard to the public, PG&amp;E employees, and our infrastructure. This course, when combined with appropriate non-training measures (e.g., PPE use, Code of Safe Practices [CSP], supervisor reinforcement, and field support), will give you the knowledge and skills to perform the following activities:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <input type="checkbox"/> Perform all leak grading tasks in compliance with established PG&amp;E health and safety guidelines.</li> <li><input type="checkbox"/> <input type="checkbox"/> Perform all leak grading tasks in compliance with established standards and work procedures.</li> <li><input type="checkbox"/> <input type="checkbox"/> Correctly grade and document leaks.</li> </ul>
GAS-0654 GAS-0655	GSR Leak Survey GSR New Gas Tasks	<p>As a result of newly negotiated union agreements and new mandates from the California Public Utilities Commission; GSRs are required to perform certain tasks related to gas and electrical job functions designed to improve service response time and to provide better customer service. Previously, GSRs have been installing meters of up to ½ pound on manifolds that hold up to five meters. In this hands-on course, students will begin to establish and discontinue service on meters up to and including two pounds. GSRs will also learn to install and service monitor regulators and butterfly regulators.</p>
GAS-0656 GAS-0540	GSR Electrical and Ladder Safety Mark & Locate Supervisor Events	<p>Received and Reviewed the Gas Standards - Corrosion Control Volume manual.</p>
GAS-0526	Train the Facilitator: Working with Haza	<p>This course provides the training materials and facilitation skills for designated employees to facilitate the delivery of GAS_-0525, Assessing and Working with Hazardous / Gaseous Atmospheres. This course covers items presented in Work Procedure WP4414-04 "Assessing and Working with Hazardous/Gaseous Atmospheres".</p>
GAS-0657	GSR Sensit Gold Training	<p>This course will introduce Gas Service Representatives to a new leak detector and the standards that support its use.</p>
GAS-0700	Gas T&R PR Onsite Supervisor Training	<p>During Gas T&amp;R SAP Preventative Maintenance Deployment Onsite Supervisor Training, facilitators will review Corrective and Preventative Maintenance Processes, Completion of the Corrective Work Form and Reports that T&amp;R Supervisors can use to monitor status and progress on Preventative and Corrective Work.</p>

Course Code	Course Name	Course Description
GAS-0701	Gas T&R PR Clerical Group Training	Gas T&R SAP Preventative Maintenance Deployment Clerical Group Training covers refresher information on Corrective Maintenance processes and tasks and provides implementation education for clerical staff involved in the Gas T&R Preventative Maintenance Roll Out.
GAS-0702	Gas T&R PR Onsite Clerical Training	During Gas T&R SAP Preventative Maintenance Deployment Onsite Clerical Training and support, facilitators will assist division clerical staff with the Actual tasks involved in launching Preventative Maintenance for that division.
GAS-0703	Gas T&R PR Onsite Crew Training	During Gas T&R SAP Preventative Maintenance Deployment Onsite Crew Training, facilitators will review Corrective and Preventative Maintenance Processes, Completion of the Corrective Work Form and completion of Work Tickets and Functional location edit forms.
GAS-0710	T&R supervisor regulator / regulation tr	Basic regulator and regulation theory of operation, safety, overpressure protection, types and uses of various regulator designs and station regulation configurations. Basic regulation problem identification and troubleshooting.
GAS-0711	T&R supervisor standards and procedures	Review of pertinent gas regulation, vault, environmental, work clearance and documentation requirements associated with gas regulator and regulation station maintenance. Review applicable UO Standards, Guidelines, Work Practices and safety requirements. Included are clearance procedures and recent changes to environmental and safety requirements concerning sub-surface vault entry, vault hazardous atmosphere monitoring and vault water discharge testing and discharge requirements.
GAS-0750	Sensit Gold -Train the Trainer	Introduction to basic trainer skills and behaviors, mentor skills, and facilitation skills in preparation for training GSRs in a set of new job tasks, beginning with the rollout of the Sensit Gold leak detector and new leak detection work procedure.
GAS-0760	Update 61 of the Gas Standards and Speci	Review of Update 61 to the Gas Standards and Specifications.
GAS-0761	Corrosion Control Volume of the Gas T&D	Review of the Corrosion Control Volume of the Gas T&D Manual.
GAS-0529	Advanced SCADAPack32	This course is designed for the Gas Control Technician classification. This course covers advanced RTU functionality, including pressure / valve control, flow measurement, and advanced data communication troubleshooting.

Course Code	Course Name	Course Description
Gas-0173WBT	Cathodic Protection	This course is the fourth in a four part series that covers the theory behind the corrosion process. It defines corrosion, explains a corrosion cell and covers the electrical circuit theory necessary to understand how corrosion affects the gas distribution system, causes of corrosion, the galvanic series and relationships between metals and how environmental factors affect corrosion, how insulation and isolation are used to passively protect piping systems from corrosion, impressed current cathodic protection systems -- when they're called for, conditions that may affect their performance and all their major components.
GAS-0515WBT	Reading Operating Maps and Diagrams	This on-line course covers the symbols used on Operating Maps and Diagrams as well as how the maps and diagrams are configured. Typical equipment arrangements are also explained and illustrated.
GAS-0516WBT	Leak Survey Documentation Review	On-line review of Leak Survey documentation requirements and changes for 2008
GAS-0533	Subsurface Leak Centering and Grading	This course provides current leak surveyors with the current requirements, procedures, and information for performing and documenting subsurface leak centering and grading. Included in this course is training around Combustible Gas Indicators.
GAS-0175WBT	Atmospheric Corrosion - Aggressive	This course teaches OM&C employees to identify corrosion damage to gas pipelines and facilities and determine the timeframe for repair.
GAS-0170WBT	Corrosion	This four module course covers the theory behind the corrosion process. It defines corrosion, explains a corrosion cell and covers the electrical circuit theory necessary to understand how corrosion affects the gas distribution system, causes of corrosion, the galvanic series and relationships between metals and how environmental factors affect corrosion, how insulation and isolation are used to passively protect piping systems from corrosion, impressed current cathodic protection systems -- when they're called for, conditions that may affect their performance and all their major components. This course is the first in a four part series that covers the theory behind the corrosion process. It defines corrosion, explains a corrosion cell and covers the electrical circuit theory necessary to understand how corrosion affects the gas distribution system, causes of corrosion, the galvanic series and relationships between metals and how environmental factors affect corrosion, how insulation and isolation are used to passively protect piping systems from corrosion, impressed current

Course Code	Course Name	Course Description
GAS-0400WBT	Gas Clearance Process Initial Training	This course provides an orientation to the best practices and resources for supporting work with a unified gas clearance procedure. This course is designed to provide the basics for supervisors, Gas Control personnel, engineers, planners, mechanics, T&R crews, operators, and area superintendents in the knowledge and skills required for the safe and efficient performance of all gas clearance work in compliance with PG&E's gas clearance process. Training modules focus on the phases of the gas clearance process, the clearance application and tags, and on performing all clearance work safely. This module may serve as a prerequisite for classroom gas clearance training.
GAS-0751	TTF: Skinner Pipe Joint Clamp Installati	This course provides the training materials for designated employees to facilitate the delivery of GAS_-NNNN, Skinner Pipe Joint Clamp Installation. This course covers items presented in Gas Bulletin #274 and attachment "Skinner Pipe Joint Clamp Installation Job Aid".
GAS-0176WBT	Atmospheric Corrosion (WBT) - Non Aggres	This course teaches OM&C employees to identify corrosion damage to gas pipelines and facilities and determine the timeframe for repair.
GAS-0300WBT	Mobile Computing Ergonomics	An online module that gives basic information about using mobile computers in vehicles. Ergonomic risks are discussed, along with ways to minimize them. A section of the training shows how to adjust the mobile computer mounts.
GAS-0800WBT	Mark and Locate Refresher WBT	This is a web-based module that reviews the requirements of the Common Ground Alliance best practices for locating and marking underground gas facilities. It includes additional information related to knowledge and performance gaps identified in 2008 field assessments. Scenarios from field experiences are presented and users are asked to apply the best practices to them
GAS-0820	Trident Seal Leak Repair System	A one-day class where students learn how to apply the Trident Seal gas leak repair system.
GAS-0220	Leak Survey Ride-Along	TD-4110P-02 "Leak Survey Qualification Strategy" identifies that prospective leak surveyors will ride-along with an experienced leak surveyor for a minimum of 40 hours prior to attending the instructor led training class to gain exposure to the processes, procedures, tools, equipment, and field techniques associated with leak survey.
GAS-0534	Introduction to Gas Supervisor Desktop	Introduction to the new ZGCSUP screen - T&R Supervisor and Local Headquarters Cleck Desktop in SAP
GAS-0830WBT	Corrosion Supvr Maint. & Operations	Corrosion and T&R supervisors are required to verify that Corrosion Mechanics are performing their and documenting their work safely and in accordance with legal requirements and Company work procedures. This course will help you verify that the Corrosion Mechanic has performed the completed the documentation of their work correctly so that you remain in compliance.

Course Code	Course Name	Course Description
GAS-0831WBT	Corrosion Supervisor CPA Restoration	Corrosion and T&R supervisors are required to verify that Corrosion Mechanics are performing their work safely and in accordance with legal requirements and Company work procedures. This course will help you verify that the Corrosion Mechanic has performed the work according to the required procedures and documented it correctly.
GAS-0832WBT	Leak Survey Overview	This course will provide leak surveyors and leak survey supervisors with a fundamental introduction to natural gas, leak survey, and the methods PG&E uses to conduct leak surveys. The module includes knowledge checks and guided practice for surveyors to use when they move on to their next step, the guided ride-alongs.
GAS-0840	OQ 09-04 Leak Survey (OMD)	<p>Operator Qualification for Task 09-04 (Leak Survey-OMD)</p> <p>1. Safety Requirements: <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> Ability to identify and resolve abnormal operating condition(s)</p> <p>2. <input type="checkbox"/><input type="checkbox"/> Access, understand and apply the following Company Standard(s): <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> Gas Standards - D-S0350 / S4110 / D-G0054 / D- G0055, Section M-53 / OMD User's Manual, Rev. D 3. <input type="checkbox"/><input type="checkbox"/> Map Reading: <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> Explain and interpret gas map symbols <input type="checkbox"/><input type="checkbox"/> Document maps when finding gas leaks</p> <p>4. <input type="checkbox"/><input type="checkbox"/> Equipment Check: <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> Batteries check <input type="checkbox"/><input type="checkbox"/> Turn on and off procedures <input type="checkbox"/><input type="checkbox"/> Interpret readout <input type="checkbox"/><input type="checkbox"/> Check out procedures <input type="checkbox"/><input type="checkbox"/> Minor maintenance procedures</p> <p>5. <input type="checkbox"/><input type="checkbox"/> Calibration Procedures: <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> Daily internal calibration cell check <input type="checkbox"/><input type="checkbox"/> Weekly external calibration cell, calibration check <input type="checkbox"/><input type="checkbox"/> Document paper work</p> <p>6. <input type="checkbox"/><input type="checkbox"/> Operation Procedures: <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> Understands OMD survey methods and procedures (see below) <input type="checkbox"/><input type="checkbox"/> Survey in unpaved area <input type="checkbox"/><input type="checkbox"/> Survey adjacent to unpaved area <input type="checkbox"/><input type="checkbox"/> Survey wall to wall paved area <input type="checkbox"/><input type="checkbox"/> Survey in street area <input type="checkbox"/><input type="checkbox"/> Document paper work</p>

Course Code	Course Name	Course Description
GAS-0841	OQ 05-01 Mark & Locate Facilities	<p>Operator Qualification for Task 05-01 (Mark &amp; Locate Facilities)</p> <p>1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s)</p> <p>2. Access, understand and apply the following Company Standard(s): Gas Standards - UO Standard S4412, UO Guideline G14412, Specifications M-60 through M-62, Interpret the USA guidelines</p> <p>3. Gas &amp; Electric Map Reading: Explain and interpret gas map symbols Explain and interpret electric map symbols</p> <p>4. Equipment Check:</p> <ul style="list-style-type: none"> <li>Batteries: - Transmitter &amp; Receiver</li> <li>Case Condition</li> <li>Audio Signal</li> <li>Visual Signal</li> <li>Signal Strength read out</li> <li>Understands Depth Determination</li> <li>Check Out Procedures</li> <li>Trouble Shoot Procedures</li> </ul> <p>5. Conductive Method: Set-up locator insert the red &amp; black connector into the transmitter Attach red connector directly to pipe or cable Attach black connector to ground stake Ensures and understands proper transmitter grounding Interpret the signal strength on the receiver</p> <p>6. Inductive w/Coupler Method: Set-up locator Ensures that both ends of target are grounded as required for this method of locating to work</p>
GAS-0842	OQ 09-07 HFI OVA-88	<p>Operator Qualification for Task 09-07 (HFI OVA-88)</p> <p>1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s)</p> <p>2. Access, understand and apply the following Company Standard(s): Gas Standards - D-S0350 / S4110 / D-G0054 / D- G0055, Section M-53 / OVA-88 Users Manual (White Case and Black Case)</p> <p>3. Equipment Check: Batteries check Turn on and off procedures Interpret readout Check out procedures Fuel filling procedures Minor maintenance procedures (battery &amp; filter changing)</p> <p>4. Calibration Procedures: Weekly calibration check Document paper work</p> <p>5. Operation Procedures: Understands survey methods and procedures (see below)</p> <ul style="list-style-type: none"> <li>Survey in unpaved area</li> <li>Survey adjacent to unpaved area</li> <li>Survey wall to wall paved area</li> <li>Survey in street area</li> <li>Survey around meter and regulator set</li> <li>Document paper work</li> </ul>

Course Code	Course Name	Course Description
GAS-0843	OQ 09-06 HFI-Heath DP3 & DP4	<p>Operator Qualification for Task 09-06 (HFI-Heath DP3 &amp; DP4)</p> <p>1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s)</p> <p>2. Access, understand and apply the following Company Standard(s): Gas Standards - D-S0350 / S4110 / D-G0054 / D- G0055, Section M-53 / DP-3 and DP-4 User's Manual</p> <p>3. Equipment Check: Batteries check Turn on and off procedures Interpret readout Check out procedures Fuel filling procedures Minor maintenance procedures (battery &amp; filter changing)</p> <p>4. Calibration Procedures: Weekly calibration check Document paper work</p> <p>5. Operation Procedures: Understands survey methods and procedures (see below)</p> <p>Survey in unpaved area Survey adjacent to unpaved area Survey wall to wall paved area Survey in street area Survey around meter and regulator set Document paper work</p>
GAS-0844	OQ 09-05 Leak Survey (RMLD)	<p>Operator Qualification for Task 09-05 (Leak Survey-RMLD)</p> <p>1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s)</p> <p>2. Access, understand and apply the following Company Standard(s): Gas Standards - D-S0350 / S4110 / D-G0054 / D- G0055, Section M-53 / RMLD User's Manual, Rev C</p> <p>3. Map Reading: Explain and interpret gas map symbols Document maps when finding gas leaks</p> <p>4. Equipment Check: Batteries check Turn on and off procedures Interpret readout Check out procedures Minor maintenance procedures</p> <p>5. Calibration Procedures: Daily electronics check Daily calibration check Document paper work</p> <p>6. Operation Procedures: Understands Foot Survey methods and procedures (see below)</p> <p>Survey in unpaved area Survey adjacent to unpaved area Survey wall to wall paved area Survey in street area Survey around meter and regulator set Document paper work</p>

Course Code	Course Name	Course Description
GAS-0844	OQ 09-05 Leak Survey (RMLD)	<p>Operator Qualification for Task 09-05 (Leak Survey-RMLD) 1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s)</p> <p>2. Access, understand and apply the following Company Standard(s): Gas Standards - D-S0350 / S4110 / D-G0054 / D- G0055, Section M-53 / RMLD User's Manual, Rev C 3. Map Reading: Explain and interpret gas map symbols Document maps when finding gas leaks</p> <p>4. Equipment Check: Batteries check Turn on and off procedures Interpret readout Check out procedures Minor maintenance procedures</p> <p>5. Calibration Procedures: Daily electronics check Daily calibration check Document paper work</p> <p>6. Operation Procedures: Understands Foot Survey methods and procedures (see below) Survey in unpaved area Survey adjacent to unpaved area Survey wall to wall paved area Survey in street area Survey around meter and regulator set Document paper work</p>
GAS-0845	OQ 09-02 Leak Investigation	<p>Operator Qualification for Task 09-02 (Leak Investigation) 1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s)</p> <p>2. Access, understand and apply the following Company Standard(s): Gas Standards - D-S0350 / S4110 3. Map Reading: Explain and interpret gas map symbols Explain and interpret electric map symbols (needed to identify possible holding areas as well to identify possible sources of ignition)</p> <p>4. Equipment Check: Batteries check Calibrations Turn on and off procedures Interpret readout Check out procedures Minor maintenance procedures</p> <p>5. Leak Causes &amp; Probable Sources: Steel facilities Plastic facilities Cast iron facilities Fittings Repair clamps</p> <p>6. Migration of Natural Gas: Soil types Depth of main Gas leaks under non wall-to-wall pavement Gas leaks under wall-to-wall pavement Gas leaks entering foreign ducts Gas leaks under building Centering</p> <p>7. Crew Search Method: Centering and pinpointing Bar hole procedures Soap test procedure Sight / Smell / Fe</p>



Course Code	Course Name	Course Description
GAS-0846	OQ 09-01 Conduct Survey	Operator Qualification for Task 09-01 (Conduct Survey) 1. Ability to identify and resolve abnormal operating condition(s) 2. Access, understand and apply the following Company Standard(s): Gas Standards - D-S0350 / S4110 / D-G0054 / D- G0055, Section M-53, Various Gas Information Bulletins 3. Map Reading: Explain and interpret gas map symbols Document maps when finding gas leaks 4. Leak Survey Instrument/Equipment Check: DOT Operator Qualified for Instrument(s) Used For Leak Survey 5. Calibration Procedures: DOT Operator Qualified for Instrument(s) Used For Leak Survey Daily/Weekly calibrations as required by Instrument being used Document paper work 6. Operation Procedures: Demonstrate and explain Foot Survey methods and procedures (see below) Survey in unpaved area Survey adjacent to unpaved area Survey wall to wall paved area Survey in street area Survey around meter and regulator set Survey Transmission facilities in Area of High Consequence Demonstrate and explain how to perform Leak Re-Checks Accurately/Correctly com
GAS-0215	ABB NGC Chromatograph	The chromatograph is one of the electronic tools currently being used to evaluate the component content of natural gas. The Chromatograph course covers specific techniques for routine operation and maintenance of the ABB NGC Chromatograph. The training is further enhanced with lab exercises to provide the opportunity to practice maintenance procedures
GAS-0847	Field Services -Leak Investigation	OQ Task 09-03. Leak investigation and grading performed by GSRs (Gas Svc. Rep.)
GAS-0849	Stand-By Pipeline	OQ Task 05-02. Stand By for Critical Gas facilities.
GAS-0833	Corrosion Supervisor Field Course	During this course, the learner will review field tasks and perform field and documentation reviews. At the conclusion of all courses, a final knowledge and performance assessment will be administered by the field trainer. The performance portion will include Field Verifications and other scenarios.
GAS-0221	T&R Crew and Supervisor PM Update	Gas will be expanding the use of SAP for Preventive Maintenance work to include Local Transmission, Corrosion Protection, Metering and Instrumentation, as well as Regulation and Valves, beginning January 1, 2010. This will mean some changes for both T&R, T&D and GC. To insure a pilot of the new Preventive Maintenance process, we will be providing targeted, mandatory process training for all impacted employees, including crews, supervisors and clerical. The target audience for this webinar is M&C Mechanics and T&R Supervisors

Course Code	Course Name	Course Description
GAS-0222	T&R PM Update - Clerical	Gas will be expanding the use of SAP for Preventive Maintenance work to include Local Transmission, Corrosion Protection, Metering and Instrumentation, as well as Regulation and Valves, beginning January 1, 2010. This represents a change from current processes for T&R, T&D, and GC. This targeted training will focus on updates to the preventive maintenance process for clerical employees supporting T&R.
GAS-0223	Corrosion PM Update - Crew and Supvsr	Gas will be expanding the use of SAP for Preventive Maintenance work to include Local Transmission, Corrosion Protection, Metering and Instrumentation, as well as Regulation and Valves, beginning January 1, 2010. Corrosion processes will change drastically from current processes. This targeted training will focus on Corrosion Protection maintenance specifically.
GAS-0224	T&D Crew and Supervisor PM Update	Gas will be expanding the use of SAP for Preventive Maintenance work to include Local Transmission, Corrosion Protection, Metering and Instrumentation, as well as Regulation and Valves, beginning January 1, 2010. This will mean some changes for both T&R, T&D and GC. To insure a pilot of the new Preventive Maintenance process, we will be providing targeted, mandatory process training for all impacted employees, including crews, supervisors and clerical. The target audience for this webinar is T&D and GC Crews and Supervisors
GAS-0225	T&D PM Update - Clerical	Gas will be expanding the use of SAP for Preventive Maintenance work to include Local Transmission, Corrosion Protection, Metering and Instrumentation, as well as Regulation and Valves, beginning January 1, 2010. This represents a change from current processes for T&R, T&D, and GC. This targeted training will focus on updates to the preventive maintenance process for clerical employees supporting T&D and GC.
GAS-0226	Corrosion PM Update - Clerical	Gas will be expanding the use of SAP for Preventive Maintenance work to include Local Transmission, Corrosion Protection, Metering and Instrumentation, as well as Regulation and Valves, beginning January 1, 2010. Corrosion processes will change drastically from current processes. This targeted training will focus on Corrosion Protection maintenance specifically.

Course Code	Course Name	Course Description
GAS-0230	OQ 09-03 F.S. Leak Investigation	Operator Qualification for Task 09-03 (F.S. Leak Investigation) 1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s) 2. Access, understand and apply the following Company Standard(s): UO Standard S6434 and WP6434-01 Gas Leak & Odor Investigation 3. Gas Leak and Odor Response: Know how to investigate Gas Main or Service Leak Know how to investigate Area Odor 4. Equipment Check: Batteries check Calibrations Turn on and off procedures Interpret readout Check out procedures Minor maintenance procedures Mix proper ratio of leak solution to water (Code #49-5178) 5. Leak Causes & Probable Sources: Underground Above ground 6. Check for Migration of Natural Gas: Sewer vents Water meter boxes
GAS-0231	OQ 05-02 Perform Standby	Operator Qualification for Task 05-02 (Perform Standby) 1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s) 2. Access, understand and apply the following Company Standard(s): Gas Standards - UO Standard S4412, UO Guideline G14412, Stand-By Policy 3. Map Reading: Explain and interpret gas map symbols Identify transmission mains Identify distribution feeder mains 4. Stand-By Responsibilities: Identify safety hazards around transmission pipeline Identify transmission line Hand dig around policy Call T&R department and gas load control to inform them of construction activity around transmission lines Review gas plat map and confirm activity Ensure that you have an operating radio or cell phone Tailboard with excavator regarding transmission and DFM main Ensure power equipment is not used within 5 feet of the transmission line Identify gas facility Identify safety hazard around transmission Agricultural Responsible are the same Stand-By person must know and understand emergency dig-in requirements
GAS-0712WBT	T&R Supvr Compliance: Intro WBT	The T&R Supervisor curriculum consists of a series of several web-based training (WBT) modules, a simulation of a regulation station, and an instructor-led workshop (ILT) designed to inform the supervisors of the expected compliance duties for the T&R Supervisor role.
GAS-0713WBT	T&R Supvr Compliance: Meters WBT	T&R Supervisor Compliance: Meters WBT - explains key conceptual information about meters, their basic functions and applications at PG&E, and focuses on the T&R Supervisor roles and responsibilities related to compliance.

Course Code	Course Name	Course Description
GAS-0714WBT	T&R Supvr Compliance: Regulators WBT	The T&R Supervisor Compliance: Regulators WBT - explains key conceptual information about gas regulators, basic regulation station functions and applications at PG&E, and it focuses on the T&R Supervisor roles and responsibilities related to regulator maintenance compliance
GAS-0715WBT	T&R Supvr Compliance: Reg Station WBT	T&R Supervisor Compliance: Regulation Station Simulation WBT- is an online interactive experience where the participant is given a series of tasks that involve identifying issues at the station and responding with the appropriate actions, as well as reviewing the paperwork after the work is completed to verify that documentation is in compliance.
GAS-0716WBT	T&R Supvr Compliance: Paperwork WBT	T&R Supervisor Compliance: Paperwork WBT - focuses on the T&R Supervisor responsibilities related to filling out and verifying compliance related paperwork.
GAS-0717WBT	T&R Supvr Compliance:Control Systems WB	T&R Supervisor Compliance: Control Systems WBT - explains key conceptual information about gas controllers, and focuses on the T&R Supervisor roles and responsibilities related to compliance.
GAS-0718WBT	T&R Supvr Compliance: Valves/Vaults WBT	T&R Supervisor Compliance: Valves/Vaults WBT - explains key conceptual information about valves used at PG&E, safety and compliance considerations for working in vaults, and the T&R Supervisor roles and responsibilities related to compliance.
GAS-0719	T&R Supervisor Instructor Led Training	This two day class teaches the essentials of T&R Supervisor paperwork and leadership skills. The purpose of this class is to deliver some technical training in tandem with practical leadership skills required of Supervisors. This class is designed for Supervisors in leadership positions. As part of this course, it is the facilitator's responsibility to look for the opportunities to make practical connections between leadership techniques and PG&E's Visions and Values.
GAS-0240	Daniel Gas Chromatograph	This course is designed for the Gas Control Technician classification. This course covers the basic operation and maintenance of a Daniel Gas Chromatograph.
GAS-0721WBT	T&R Supervisor Compliance: Gas Quality	This course describes the role that gas quality plays at PG&E, the types of gas processing used to ensure compliance, and the supervisor's role in maintaining compliance.
GAS-0722WBT	T&R Supervisor Compliance: District Reg	In this self-paced self assessment tool, students/supervisors are presented with a variety of commonly encountered abnormal operating conditions and paperwork errors. Based on a simulated regulator station environment and access to all associated documentation, they must determine whether the action suggested and/or documentation presented is complete, correct and meets compliance guidelines.

Course Code	Course Name	Course Description
GAS-0900WBT	Gas Operator Environmental Responsibilit	This course is the fifth WBT course in the Gas Operator training program. In it, students are introduced to the environmental responsibilities that are inherent in working with natural gas at the manned stations. Included are introductions to the requirements, recommendations for avoiding and handling environmental incidents, and an introduction to environmental inspections.
GAS-0901WBT	Gas Operator Natural Gas Basics	This course is the first WBT course in the Gas Operator training program. In it, students are introduced to the fundamental knowledge of natural gas and its use in our system.
GAS-0902WBT	Gas Operator Routine Non-Technical Tasks	This course is the third WBT course in the Gas Operator training program. In it, students are introduced to many of the routine, non- technical tasks that are included as part of the job responsibilities in the manned stations. This is just an introduction to the process. Each station has specific requirements and those are covered in the On-the- Job training module that students will complete after this intro.
GAS-0903WBT	Gas Operator Reservoir Engineering Suppo	This course is the sixth in the Gas System Operations training program. Operators will work in partnership with other departments on a regular basis, with Reservoir Engineering as one of the most frequent. In this module, Operators will learn about the tasks that they will be responsible for performing in support of reservoir engineering.
GAS-0904WBT	Gas Operator Manned Station Overview	This course is the second WBT course in the Gas Operator training program. In it, students are introduced to the manned stations at work process, measuring, and moving gas in PG&E's system
GAS-0905WBT	Reading Station Diagrams	This course is the fourth WBT course in the Gas Operator training program. In it, students are introduced to the maps and diagrams they will encounter in their everyday work.
GAS-0720WBT	Managing to Compliance	This course describes the responsibilities of gas directors and superintendents regarding compliance. It describes the compliance framework and PG&E's internal processes for managing to compliance.
GAS-0110WBT	Rotary Meter Refresher Course	Rotary Meter Basics Rotary Meter Installation Procedures Rotary Meter Performance Checks Rotary Meter Differential Test Report Starting Differential Test Initial Operating Differential Test Baseline Differential Curve Periodic Differential Test
GAS-0911WBT	Co. Gas Emer. Plan 1st Responder Sup.	Provides 1st responder Supervisors with information about their roles in the Company Gas Emergency Plan. An overall review of the plan is included, with scenario based questions, an explanation of roles and response processes.
GAS-0912WBT	Co. Gas Emer. Plan 1st Resp GSR	Provides 1st responders - Gas Service Representatives with information about their roles in the Company Gas Emergency Plan. An overall review of the plan is included, with scenario based questions, an explanation of roles and response processes.

Course Code	Course Name	Course Description
GAS-0910WBT	Co. Gas Emer. Plan Disp EE	Provides Gas dispatchers with information about their roles in the Company Gas Emergency Plan. An overall review of the plan is included, with scenario based questions, an explanation of roles and response processes.
GAS-0913WBT	Co. Gas Emer. Plan 1st Resp GT M&C	Provides 1st responders - GT M&C employees with information about their roles in the Company Gas Emergency Plan. An overall review of the plan is included, with scenario based questions, an explanation of roles and response processes.
GAS-0914WBT	Co. Gas Emer. Plan 1st Resp M&C Crew	Provides 1st responders - M&C Field Crews with information about their roles in the Company Gas Emergency Plan. An overall review of the plan is included, with scenario based questions, an explanation of roles and response processes.
GAS-0915WBT	Co. Gas Emer. Plan 1st Resp M&C T&R	Provides 1st responders - M&C T&R employees with information about their roles in the Company Gas Emergency Plan. An overall review of the plan is included, with scenario based questions, an explanation of roles and response processes.
GAS-0916WBT	Co. Gas Emer. Plan CSR EE	Provides Customer Contact Center employees with information about their roles in the Company Gas Emergency Plan. An overall review of the plan is included, with scenario based questions, an explanation of roles and response processes.
GAS-0526WBT	LEAK SURVEY SUPERVISOR PLANNING	Provides Leak Survey Supervisors with the knowledge to verify they have the required survey documents for monthly work, scheduling and prioritization, as well as the ability to monitor work progress and resolve questions from the field.
GAS-0527WBT	Leak Survey Supervisor Document WBT	Provides Leak Survey Supervisors with the knowledge to check documentation, coach surveyors on proper documentation techniques and route completed documents.
GAS-0528WBT	Leak Survey Supervisor Reports WBT	Provides Leak Survey Supervisors with the knowledge to check reports, verify data and improve accuracy and integrity.
GAS-0540WBT	Mark & Locate Supervisor Events WBT	Gives Mark and Locate Supervisors the tools they need to communicate effectively, deal with emergency situations and help employees perform their work safely and effectively. This course is divided into the four modules. The first three cover different skills you will need to handle people and events. The last module contains additional resources and the course assessment.
GAS-0541WBT	Mark & Locate Supervisor Responsible WBT	Gives Mark and Locate Supervisors the tools they need to know to ensure the safety of locators and the public and to perform their job as supervisor in accordance with established PG&E policies and work procedures.
GAS-0726WBT	T&R Superintendent & Director WBT	Provides T & R Superintendents and Directors with an overview of their responsibilities regarding Regulation, compliance, process improvement and Operator qualification.

Course Code	Course Name	Course Description
GAS-0725WBT	T&R Supervisor Gas Admin WBT	This course is divided into 10 modules, including overviews of the Gas Maintenance Process, Quality Assurance, PPE and USP 22, Fleet Maintenance, Customer Complaint Investigation, Operator Qualifications, Material Problem Reporting, Tracking and Ordering Tools, CPUC Audit Process. Module 10 contains the final assessment, the Knowledge Check to earn completion for this course. At the end of each module, you will find questions that test your knowledge of the supervisory role related to each topic.
GAS-0723WBT	T&R Supervisor Gas Quality WBT	This course is divided into 4 modules, including overviews of the odorization system, dehydration of natural gas, chromatography, and the supervisors role in ensuring gas quality. Module 4 contains the final assessment, the Knowledge Check to earn completion for this course. At the end of each module, you will find questions that test your knowledge of the supervisory role related to each system in the Gas Quality course.
GAS-0542WBT	Mark & Locate Supervisor Document WBT	Gives Mark and Locate Supervisors the tools they need to verify data and check reports. This course is divided into the three modules. The first two modules cover using IRTNet and managing reports. The last module contains additional resources and the course assessment.
GAS-0100	Quick Change Gas Meter for T300s	The course provides field employees with the knowledge and skills needed to perform the quick change (hot tank) procedure on residential gas meters.
GAS-0724WBT	Gas Rule 26 WBT	The principal focus of Gas Rule 26 deals with the business relationships between Gas Transmission and Distribution (GT&D) and other PG&E intra- company departments that utilize gas transmission or storage services on the PG&E system (i.e. Core Gas Supply and Electric Gas Supply). It is intended to assure GT&D's customers that PG&E departments will not be granted undue preference, nor will they be given undue competitive advantage.
GAS-0908WBT	Gas Operator Station Power	This course is the third WBT course of Phase 2 in the Gas Operator training program. In it, students are introduced to the symbols and equipment that are used to provide power to the manned stations, including the standby/emergency generators, automatic transfer system, uninterruptible power supply, and motor control centers.
GAS-0906WBT	Gas Operator Compressors	This course is the first WBT course of Phase 2 in the Gas Operator training program. In it, students are introduced to the compressors and their maintenance in use at the manned stations.

Course Code	Course Name	Course Description
GAS-0907WBT	Gas Operator Gas Processing	This course is the second WBT course of Phase 2 in the Gas Operator training program. In it, students are introduced to the equipment that is used in hydrate prevention and in processing the natural gas. Items included are methanol injection, heat trace systems, filter separators, dehydration equipment, the glycol regeneration system, odorizers, and the production fluid system
GAS-0909WBT	Gas Operator Fuel Gas Systems	This course is the third WBT course of Phase 2 in the Gas Operator training program. In it, students are introduced to the symbols and equipment that are used to provide power to the manned stations, including the standby/emergency generators, automatic transfer system, uninterruptible power supply, and motor control centers
GAS-0101	Quick Change Gas Meter Assessment	Assessment for GAS-0100
GAS-0102	Rotary and Turbine Meter Refresher	Rotary Meter Basics Rotary Meter Installation Procedures Rotary Meter Performance Checks Rotary Meter Differential Test Report Starting Differential Test Initial Operating Differential Test Baseline Differential Curve Periodic Differential Test
GAS-0161	Plastic Butt Fusion 6"8"	This training covers a wide variety of plastic system construction tools, equipment and procedures.
GAS-0128	Gas Standards Plastic Manual Rollout	Gas Transmission and Distribution Manual - Plastic Volume Rollout
GAS-0920WBT	Gas Operator Emergency Systems	The Emergency Systems WBT is number 6 in the second phase of the operator training program. In this course, students will learn about the emergency systems in place to protect them, the public, and the stations themselves in case something goes wrong
GAS-0921WBT	Gas Operator Station Air	The Air Systems WBT is number 5 in the second phase of the operator training program. Up to this point, we've been focusing mostly on the different uses of gas at the manned stations but in this module, you'll learn about the air systems in use at the stations. In this section, students will learn more about the different air systems in use at the stations and what their responsibilities are in starting, stopping, and monitoring them
GAS-0659WBT	GSR Map Reading Skills	This course will refresh Gas Service Representatives in their use of the most commonly used gas and electric symbols
GAS-0922WBT	Gas Operator Flow Measurement	The Flow Measurement WBT is the first in phase 3 of the operator training program. In this module, we'll talk about some of the different metering set-ups used to measure station flow during compression, injection, and withdrawal.
GAS-0910	Co. Gas Emer. Plan Disp EE	
GAS-0911	Co. Gas Emer. Plan 1st Responder Sup.	
GAS-0912	Co. Gas Emer. Plan 1st Resp GSR	
GAS-0913	Co. Gas Emer. Plan 1st Resp GT M&C	
GAS-0914	Co. Gas Emer. Plan 1st Resp M&C Crew	
GAS-0915	Co. Gas Emer. Plan 1st Resp M&C T&R	
GAS-0916	Co. Gas Emer. Plan CSR EE	



Course Code	Course Name	Course Description
GAS-0923WBT	Gas Operator CGIs	This course is part of Phase 3 in the Gas Operator training program. In it, students are reminded of the confined space entry procedures and introduced to the equipment and procedures for taking combustible gas readings in support of hot work permits, limited hot work permits, and confined space entry
GAS-0924WBT	Gas Operator Phase 3 Overview	This course is in Phase 3 of the Gas Operator program and serves as an overview of several of the systems and different pieces of equipment at the manned stations: block valves, hydraulic systems, liquid transfer systems (truck terminals, lube oil, etc.) and the process gas coolign system
GAS-0250	In-Line Locating Tape Train-the-Trainer	This course presents work procedures, gas information bulletins, and the Gas Standards & Specifications (GS&S) that pertain to the use of the inline locating tape for the location of non-locatable underground facilities like no locating wire, broken locating wire, and copper services. This class covers the knowledge and skill aspect of operating the in-line locating tape.
GAS-0090WBT	Valve Changer Overview	Being able to change a valve that may be damaged or leaking quickly, safely, and in compliance directly supports our value of supporting our communities and acting safely. This course will introduce students to the tools and their operation used to change a service valve using a No- Blo Valve Changer. This course is meant to provide an introduction to students in preparation for hands on training and also to serve as a Refresher for students as needed.
GAS-0925WBT	Gas Operator Water Systems	This course is in Phase 4 in the Gas Operator training program. In it, students are introduced to the components of and operator responsibilities for the various water systems in place at the manned stations, including domestic water, fire water, jacket water, cooling water, water treatment, and others.
GAS-0926WBT	Gas Operator Communications	This course is in Phase 4 in the Gas Operator training program. In it, students are introduced to the various communications systems that are used at the manned stations including the radio system, the satellite phones, and others.
GAS-0927	Gas Operator Train-the-Trainer	This course will provide the manned station trainers with the tools they need to deliver the on-the-job training to new operators at each of the stations. Course activities will include demonstrating tasks at the stations, identifying relevant standards and drawings, and evaluating learners, among others

Course Code	Course Name	Course Description
GAS-9000	Leak Repair Summit	This training will be delivered at four different sessions for different regions, to clerks and supervisors handling leak repair documentation. The training aims to clarify roles, standards, and processes for leak repair tasks and Dig In Damage job packages. Bay Area Region ☐ Sept 23th from 12-4pm 1100 S 27th St, Richmond SC, 94804, Harbor View Conf Room Central Coast Region-Sept 27th from 9a-2pm (DeAnza S/C: 10900 N Blaney Ave, Cupertino - M&C Bullroom) Northern Region ☐ Sept 28th from 9 ☐ 1PM (Blue Flame room at the Sacramento Service Center 5555 Florin-Perkins, Sacramento, Ca )
GAS-9001WBT	Gas T&D Manual Project	This course has two modules. In Module 1, Overview of the Gas Transmission and Distribution Manual Project, you will learn about the decision to compile a new set of manuals with a consistent structure and organization that will allow for easier and faster accessibility. In Module 2, Layout of the new Manuals , you will get to know this new structure and organization in more detail. The main purpose of this module is to give you the opportunity to become familiar with the manual layout so that you can find the information you need quickly and easily. The focus of the module is on what you are going to find in each new manual. Detail about specific volumes will be covered in a subsequent module for each volume. You will be introduced to the color coding that has been used to structure the manual. We then take each of the four main sections of the manual and provide you with an overview of the content and types of documents you will find in each section, how the types of documents are set out and how you will recognize the different document types. This course informs you about
GAS-9002WBT	Gas Standards - Corrosion Control Volume	This is the course equivalent to the Instructor Lead Training - Gas Standards- Corrosion Control Volume. This course is provided as an alternative to the Manual rollout sessions conducted with field employees.
GAS-9003WBT	Using the Technical Information Library	This course covers seven topics on how to use the Technical Information Library for the Gas T&D Manuals. Each topic is presented as a demonstration, showing the exact steps you need to follow, including a narration with each.
GAS-0212	Mutual Aid Leak Survey	PG&E leak survey orientation for all MALS will prepare them to complete the written knowledge assessment for the Operator Qualification process. This will include a two-part session to: Complete a classroom session: Reviewing PG&E leak survey work practices, gas information bulletins, and other leak survey documents. Reviewing of leak survey techniques and HFI equipment calibration methods. Completing leak survey documents. Complete a field session: Demonstrating leak survey techniques and work practices. Walking a route Leak detection Leak centering Leak grading

Course Code	Course Name	Course Description
GAS-9004	Gas Service Record Process Training	This is a workshop developed specifically for Clerks in Support of Construction and Inspectors who work with Gas Service Records (GSRs). It outlines the process of retrieving GSRs from SAP, re-scanning and attaching them to an order.
GAS-0839	OQ 09.08 Field Service Leak Grading	<p>1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s)</p> <p>2. Access, understand and apply the following Company Standard(s): UO Standard and Work procedures S6434 / WP6434-01 / S4110 / TD-4110P-09 / M-54.1</p> <p>3. Equipment Check: Batteries check                      Calibrations                      Turn on and off procedures                      Interpret readout                      Check out procedures                      Minor maintenance procedures</p> <p>4. Migration of Natural Gas for Grading Purposes: Soil types                      Gas leaks under non wall-to-wall pavement                      Gas leaks under wall-to-wall pavement                      Gas leaks entering foreign ducts                      Gas leaks under building</p> <p>5. GSR Search Method: Explain the principles of operation of an approved combustible gas indicator                      Grade using above ground methods and procedures                      Grade using sub surface methods and procedures                      Accurately/Correctly completes Form A (62-4060)</p> <p>6. Leak Causes &amp; Probable Sources for Grading Purposes: Underground gas facilities</p> <p>7. GSR Search Method: Bar hole procedures                      Soap test procedure                      Sight / Smell / Feel / Sound                      Documentation</p>
GAS-0232	OQ 05.03 Inline Locating Tape	<p>1. Safety Requirements: Ability to identify and resolve abnormal operating condition(s)</p> <p>2. Access, understand and apply the following Company Standard(s): Gas Standards S4412, WP4412, Specifications M-60 through M-62, Interpret the USA guidelines</p> <p>3. Gas &amp; Electric Map Reading:                      Explain and interpret gas map symbols                      Explain and interpret electric map symbols</p> <p>4. Equipment Check: Batteries: - Transmitter &amp; Receiver                      Case Condition                      Audio Signal                      Visual Signal                      Signal Strength read out                      Understands Depth Determination                      Check Out Procedures                      Trouble Shoot Procedures</p> <p>5. Inline Locating Tape:                      Determine service line type                      Access riser valve                      Remove meter                      Attach stuffing box                      Insert Inline Tape                      Conductively locate line                      Install EMS markers                      Remove Inline Tape                      Establish service</p> <p>6. Conductive Method: Set-up locator                      insert the red &amp; black connector into the transmitter                      Attach red connector directly to pipe or cable                      Attach black connector to ground stake                      Ensures and understands proper transmitter grounding                      Interpret the signal stren</p>
GAS-0310	Plugging with Weld-in Place Tee	This course is designed as a supplement for employees who already hold the OQs required for tapping and plugging service tees and welding. In this course, employees will learn to plug a pipeline with a weld-in-place steel pin

Course Code	Course Name	Course Description
GAS-0311	Tapping with Coupon Retaining Punch	This course is provided as a supplement for employees who already hold the OQs required for tapping and plugging service tees and welding. In this course, employees will learn to tap a service tee with a self-tapping tee / coupon retaining punch.
GAS-0312	Low Pressure Plugging with Grunsky	This course is provided for employees who regularly perform plugging with a Grunsky bag and X-Pander plug on low pressure services. This course will prepare students to test for the relevant OQ as well.
GAS-0313WBT	Intro to Tapping and Plugging	This course serves as an introduction to the process and tools involved in Tapping and Plugging work (4" and smaller steel pipe) for people who have not performed this work previously. Included in the training are: * Descriptions and photos of the most common fittings that are tapped and plugged including line stopper (M2), save-a-valve, valve tees, service tees, line stopper (splits), and other common fittings. * An introduction to the tools and equipment used in the process including control valves, drilling and stopping machines, and accessories * An overview of the process of tapping and plugging in preparation for hands-on training. This course can be taken individually or can be delivered to a group by a knowledgeable supervisor.
GAS-0313	Intro to Tapping and Plugging	This course serves as an introduction to the process and tools involved in Tapping and Plugging work (4" and smaller steel pipe) for people who have not performed this work previously. Included in the training are: * Descriptions and photos of the most common fittings that are tapped and plugged including line stopper (M2), save-a-valve, valve tees, service tees, line stopper (splits), and other common fittings. * An introduction to the tools and equipment used in the process including control valves, drilling and stopping machines, and accessories * An overview of the process of tapping and plugging in preparation for hands-on training. This course can be taken individually or can be delivered to a group by a knowledgeable supervisor.
GAS-0314WBT	Intro to Tapping and Plugging Procedures	This course serves as an introduction to the Tapping and Plugging work procedures for people who have been performing tapping and plugging work (4" and smaller steel pipe) but who now need to become familiar with the new steel manual and the work procedures for tapping and plugging line stopper (M2), save-a-valve, valve tees, service tees, line stopper (splits), and other common fittings. This course can be taken individually or can be delivered to a group by a knowledgeable supervisor.

Course Code	Course Name	Course Description
GAS-0314	Intro to Tapping and Plugging Procedures	This course serves as an introduction to the Tapping and Plugging work procedures for people who have been performing tapping and plugging work (4" and smaller steel pipe) but who now need to become familiar with the new steel manual and the work procedures for tapping and plugging line stopper (M2), save-a-valve, valve tees, service tees, line stopper (splits), and other common fittings. This course can be taken individually or can be delivered to a group by a knowledgeable supervisor.
GAS-9005	IGIS / NLIS Training for Mappers	Training for Gas Mapping personnel on updates to the Integrated Gas Information System (IGIS) and on the deployment of the Non-Leak Information System (NLIS).
GAS-0147MT	Apprentice Welder GC O/A Math Test	Training for Gas Mapping personnel on updates to the Integrated Gas Information System (IGIS) and on the deployment of the Non-Leak Information System (NLIS).
GAS-0148MT	Apprentice Welder GC O/A 2 Math Test	
GAS-0147ST	Apprentice Welder GC O/A Safety Test	
GAS-0149MT	Apprentice Welder GC Arc 1 Math Test	
GAS-0150MT	Apprentice Welder GC Arc 2 Math Test	
GAS-0151MT	Apprentice Welder GC Arc 3 Math Test	
GAS-0152MT	Apprentice Welder GC Arc 4 Math Test	
GAS-0153MT	Apprentice Welder GC Arc 5 Math Test	
GAS-0001A	A-Form Train the Trainer	
GAS-0010	Bristol ControlWave	Basic operation, hardware and software support utilities and maintenance of the Bristol electronic ControlWave controller. This course will cover the basic ControlWave hardware used at various gas measurement and control stations, single line drawings where available at various stations, local and WEB based HMI displays, software calibrations of meter tube transmitters, basic troubleshooting to help determine hardware failure and review of key Bristol software utility suite available to assist the technician with operation, troubleshooting and maintenance of the ControlWave hardware.
GWA-O/AWT1	O/A Weld Test	The goal of this course is to train PG&E crews to install an EFV when required and to report the failure of a compression fitting appropriately.
GWA-6010BUWT	E6010 Butt Weld Test	
GWA-6010BRWT	E6010 Branch Weld Test	
GWA-7018BUWT	E7018 Butt Weld Test	
GWA-7018BRWT	E7018 Branch Weld Test	
GAS-0002	EFV and Mechanical Fitting Requirements	This course will assess Gas Service Representatives on the leak detector and the standards that support its use.
GAS-0658	GSR Sensit Gold Training Assessment	Training for Gas Mapping personnel on updates to the Integrated Gas Information System (IGIS) and on the deployment of the Non-Leak Information System (NLIS).
GAS-0001	A Form Training	
GAS-0030	Damage Prevention Manual Rollout	Gas Transmission and Distribution Manual - Damage Prevention Volume Rollout

Course Code	Course Name	Course Description
GAS-0000	Damage Prevention Manual Rollout	Gas Transmission and Distribution Manual - Damage Prevention Volume Rollout
GAS-0260WBT	Intro to CRM Rule: Roles and Responsibilities	A new federal regulation has been issued establishing minimum requirements of the Control Room Management Rules issued under 49 CFR 192.631. It describes those activities required by the applicable federal and state pipeline safety regulations for gas control room operations, specifically those required by 192.631 (a) through (j). This applies to alternate gas control, Brentwood, but excludes manned station control room operations. In response to these new control room management (CRM) Rules, Gas Operations is formalizing and updating operating responsibilities by creating a standard and a series of work procedures that will be introduced in this training.
GAS-0261WBT	CRM: Alarm Management	This course will provide an overview of the new alarm policy including identification of normal, abnormal, and emergency operating conditions.
GAS-0262WBT	CRM: Managing Pipeline Change	This course will provide an overview of the roles, responsibilities, and process by which any changes to operations are coordinated with control room personnel including the use of the Gas Logging System
GAS-0263WBT	CRM: Moving to Alternate Gas Control	This course will provide an overview of the roles, responsibilities, and process of moving the Gas Control operations from San Francisco to the Alternate Gas Control location in Brentwood in case of emergency.
GAS-0264WBT	CRM: Evaluating Operating Experiences	This course will provide an overview of the roles, responsibilities, and process by which Gas Control will review any incident which meets the criteria established in Part 191 of the Federal Pipeline Safety Regulations to determine if there is reason to believe control room actions contributed to the event, and if so, correct where necessary deficiencies related to operator fatigue, field equipment, operation of any relief device, procedures, SCADA system configuration or SCADA system performance.
GAS-0265WBT	CRM: Information Management	This course will provide an overview of the communications required as part of control room operations, including identification of relevant personnel and required communications
GWA-1.1	Safety and Workpace Health	
GWA-1.2	Safety Tailboard	
GWA-1.3	PPE, Motor Vehicles and Worksite Safety	
GWA-1.4	Admin Procedures & Record Keeping	
GWA-1.5	Tie-in work	
GWA-1.6	O/A Welding Practice	
GWA-1.7	Pipe Fitting	
GWA-2.1	Tie-in work	
GWA-2.2	6010 Butt Welding Practice	
GWA-2.3	OQ, Confined Space,& Worksite Protection	
GWA-2.4	Trenching and Shoring	
GWA-3.1	Hot work (No Airmovers)	
GWA-3.2	6010 Branch Welding Practice	

Course Code	Course Name	Course Description
GWA-3.3	Low Pressure (Water Column)	
GWA-4.1	7018 Butt Welding Practice	
GWA-5.1	7018 Branch Welding Practice	
GWA-5.2	Attend a Tie-in Clearance Meeting	
GWA-6.1	Advanced Pipe Fitting	
GWA-7.1	Step 1&2 Large Dia. Pipe Jobs	
GWA-7.2	Step 3&4 Large Dia. Pipe Jobs	
GWA-7.3	Step 5&6 Large Dia. Pipe Jobs	
GWA-8.1	Step 1&2 Small Dia. Pipe Jobs Under 12"	
GWA-8.2	Step 3&4 Small Dia. Pipe Jobs Under 12"	
GWA-8.3	Step 5&6 Small Dia. Pipe Jobs Under 12"	
GWA-9.1	Other General Field Duties	
GAS-0227	Mark & Locate Ride-Along	Prospective mark and locate personnel will ride along with an experienced Locator for a minimum of 40 hours prior to attending the instructor led training class to gain exposure to the processes, procedures, tools, equipment and field techniques associated with mark and locate. This process is documented in My Learning by the Supervisor or his/her delegate.
GAS-0003A	Intro to A-Form: Hydrostatic Test T3	This course will serve as an introduction to the A-Form and the A1-Form for employees and contractors being brought on to support our hydrostatic testing. This course will be delivered in the field by PG&E Employees.
GAS-0003	Intro to A-Form: Hydrostatic Test	This course will serve as an introduction to the A-Form and the A1-Form for employees and contractors being brought on to support our hydrostatic testing. This course will be delivered in the field by PG&E Employees.
GAS-0360WBT	Completing Part 1 of the STPR	This course will provide training for pipeline engineers and other employees who are required to complete Part 1 of the STPR form per the requirements of Gas Standard A-34, as part of the piping design and/or test design process prior to the strength test. The technical aspects of pipeline or test design are outside the scope of this course which will focus on completion of the STPR in preparation for the pressure test.
GAS-0361WBT	Completing Part 2 of the STPR	This course will provide training for pipeline engineers and other employees who are required to complete Part 2 of the STPR form per the requirements of Gas Standards A-34 and A-37, both during and upon completion of the strength test. The technical aspects of the pressure test including the actual test process in the field are outside the scope of this course which will focus on documentation of the STPR form specifically.

Course Code	Course Name	Course Description
Gas-0171WBT	Causes of Corrosion	This course is the second in a four part series that covers the theory behind the corrosion process. It defines corrosion, explains a corrosion cell and covers the electrical circuit theory necessary to understand how corrosion affects the gas distribution system, causes of corrosion, the galvanic series and relationships between metals and how environmental factors affect corrosion, how insulation and isolation are used to passively protect piping systems from corrosion, impressed current cathodic protection systems -- when they're called for, conditions that may affect their performance and all their major components.
Gas-0172WBT	Environmental Corrosion Controls	This course is the third in a four part series that covers the theory behind the corrosion process. It defines corrosion, explains a corrosion cell and covers the electrical circuit theory necessary to understand how corrosion affects the gas distribution system, causes of corrosion, the galvanic series and relationships between metals and how environmental factors affect corrosion, how insulation and isolation are used to passively protect piping systems from corrosion, impressed current cathodic protection systems -- when they're called for, conditions that may affect their performance and all their major components.
Gas-0180	Freewave Radio	This course provides that participant with knowledge and skill to install, maintain and troubleshoot the unlicensed 900 MHz radios used with the ABB Totalflow flow computer in the gas gathering system. The technician will review material and concepts related to system design, hardware, programming, and troubleshooting. It is highly recommended that the participant complete the training associated with the ABB Totalflow XFC prior to enrolling for this course.
Gas-0185WBT	Dry-Bore Camera Inspection	The goal of this course is to educate and train PG&E employees to implement the new camera inspection procedure for damage prevention when performing dry horizontal earth boring in accordance with the TD-4412P 05, Excavation Procedures for Damage Prevention.
GAS-9006	GAS-9006 GERP Training-Awareness	This course will define the identification and location of resources related to the Gas Emergency Response Plan 2011.
GAS-9006WBT	GAS-9006WBT-GERP Training - Awareness	This course will define the identification and location of resources related to the Gas Emergency Response Plan 2011.
GAS-9007	GAS-9007-GERP Training -Command Cente	This course will define the role of PG&E Emergency Commander and support staff and the necessary activities to activate and maintain the Emergency Response.
GAS-9008	GAS-9008-GERP Training - First Responder	This course will define the role of PG&E First Responders and the necessary activities to activate and maintain the Emergency Response.



Course Code	Course Name	Course Description
GAS-9008WBT	GAS-9008WBT-GERPTraining-First Respond	This course will define the role of PG&E First Responders and the necessary activities to activate and maintain the Emergency Response.
TECH-0089GAS	Smith System Hands On Training	For Gas Department Employees Only - please let me know when this is posted so I can inform the organization.
Gas-0267	CRM-Final Assessment	This final assessment serves as the determining factor for successful completion of the Control Room Management (CRM) series for Gas Control personnel. This assessment addresses content from throughout the CRM manual and all six of the CRM WBTs (GAS-0260WBT thru GAS-0265WBT).
Gas-2210	Mark & Locate Refresher	This course reviews mark and locate standards, work procedures, equipment operation and serviceability using lecture and hands-on exercises to reinforce the course learning objectives.
Gas-0301	New Gas Engineer Seminar	General overview of basic elements and key processes found within PG&E Gas Operations. This course is taught by technical experts from across the Gas Organization. It is intended to give a high level overview of the key processes, technical standards, business and field procedures used within the PG&E Gas Systems.
Gas-0185	Dry-Bore Camera Inspection	The goal of this course is to educate and train PG&E employees to implement the new camera inspection procedure for damage prevention when performing dry horizontal earth boring in accordance with the TD-4412P 05, Excavation Procedures for Damage Prevention.
Gas-0302WBT	Working with Hazardous Atmospheres - Q4	The goal of this course is to reinforce the decision making process to assess hazardous/gaseous atmospheres in accordance with TD-4414-04 Assessing and Working with Hazardous/Gaseous Atmosphere and the safety requirements when entering those atmospheres. The course also reinforces inspection, maintenance and use of respiratory protection systems and flash suits.
Gas-0306	Leak Investigation & Pinpointing	The goal of this course is to train PG&E employees to follow a systematic approach for investigating and pinpointing gas leaks in accordance with work procedure TD-4110P-18 Leak Investigation and Pinpointing for Repair to minimize the number of dry holes.
Gas-0303WBT	Working with Hazardous Atmospheres - Q1	The goal of this course is to reinforce the decision making process to assess hazardous/gaseous atmospheres in accordance with TD-4414-04 Assessing and Working with Hazardous/Gaseous Atmosphere and the safety requirements when entering those atmospheres. The course also reinforces inspection, maintenance and use of respiratory protection systems and flash suits.

Course Code	Course Name	Course Description
Gas-0304WBT	Working with Hazardous Atmospheres - Q2	The goal of this course is to reinforce the decision making process to assess hazardous/gaseous atmospheres in accordance with TD-4414-04 Assessing and Working with Hazardous/Gaseous Atmosphere and the safety requirements when entering those atmospheres. The course also reinforces inspection, maintenance and use of respiratory protection systems and flash suits.
Gas-0305WBT	Working with Hazardous Atmospheres - Q3	The goal of this course is to reinforce the decision making process to assess hazardous/gaseous atmospheres in accordance with TD-4414-04 Assessing and Working with Hazardous/Gaseous Atmosphere and the safety requirements when entering those atmospheres. The course also reinforces inspection, maintenance and use of respiratory protection systems and flash suits.
GAS-0800	Mark and Locate Refresher	This is a web-based module that reviews the requirements of the Common Ground Alliance best practices for locating and marking underground gas facilities. It includes additional information related to knowledge and performance gaps identified in 2008 field assessments. Scenarios from field experiences are presented and users are asked to apply the best practices to them
GAS-9010	Motor Vehicle Safety -What's the big deal	A general presentation of the importance of motor vehicle safety. Presentation time is 10 minutes. There is no quiz or test for knowledge at the end.