

## **NOTE ON PERFORMANCE TESTING**

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. This examination is designed to measure competency in the tasks taught in each module.

Please note the number of tasks to be tested while teaching each module. Each trainee should be tested on all the tasks listed on the Performance Profile Sheet(s). Before performance testing, the instructor should brief the trainees on:

- Test objectives and criteria
- Safety precautions
- Procedures for each task to be tested

The instructor administering the performance testing should also do the following:

- Ensure that all of the needed equipment is available and operating properly.
- Set up the testing stations.
- Organize and administer the test in a way that allows for optimal performance.
- Complete the Performance Profile Sheet(s) for each trainee by assigning a pass/fail score for each listed task. Also, include the testing date, and start and end times for each task in the rating boxes.
- Monitor adherence to all safety regulations and precautions.
- Provide adequate supervision to prevent injuries.
- Take immediate and effective action to remedy any emergency.

### **Performance Testing**

If Performance Testing is done as part of the NCCER Standardized Craft Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification.
2. The training must be delivered through an Accredited Training Sponsor recognized by NCCER.
3. The specific performance testing must be completed successfully.
4. The results of the testing must be recorded on the Registration of Training Modules Form. This form must be provided to the local Accredited Training Sponsor to be forwarded to the NCCER Registry.

# Performance Profile Sheet

Module AOCFG-17 has no Performance Profile Sheet;  
performance testing is not required for this module.

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# Performance Profile Sheet

Module AOCCC-17 has no Performance Profile Sheet;  
performance testing is not required for this module.

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# Performance Profile Sheet (Page 1 of 2)

NCCER Training

Craft: Pipeline Electrical and Instrumentation Level 2  
 Module: CT25\_1-17  
 Module Title: Inspect, Test and Calibrate Pressure Switches



Trainee Name:

Training Program  
 Sponsor:

Instructor:

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Inspect, test, and calibrate pressure switches (CT25_1-17).				
	Identify potential abnormal operating conditions (AOCs) that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	Verify certification that test equipment has been calibrated prior to performing calibrations.				
	Verify device set point for switches prior to performing calibration.				
	Determine correct test medium and range to be used for testing.				
	Notify control center and/or affected personnel before work begins.				

Craft: Pipeline Electrical and Instrumentation Level 2  
 Module: CT25\_1-17  
 Module Title: Inspect, Test and Calibrate Pressure Switches



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Isolate the pressure switch from the process system and inspect all connection for leakage.				
	Apply test medium pressure and verify device setpoint or range "as found" and document the results.				
	Re-apply test medium for desired setpoint or range and adjust if necessary according to device manufacturer's specifications to establish desired setpoint. Document final setpoint setting(s) "as left".				
	Notify control center and/or affected personnel after completion of work.				
	Complete appropriate documentation as required by operator's procedures.				

# Performance Profile Sheet (Page 1 of 2)

NCCER Training

Craft: Pipeline Electrical and Instrumentation Level 2  
 Module: CT25\_2-17  
 Module Title: Inspect, Test, and Calibrate Pressure Transmitters



Trainee Name:

Training Program  
 Sponsor:

Instructor:

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Inspect, test, and calibrate pressure transmitters (CT25_2-17).				
	Identify potential abnormal operating conditions (AOCs) that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	Verify certification that test equipment has been calibrated prior to performing calibrations.				
	Verify range of transmitter prior to performing calibration.				
	Determine correct test medium and the range to be used for testing.				
	Notify control center and/or affected personnel before work begins.				

# Performance Profile Sheet (Page 2 of 2)

NCCER Training

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT25\_2-17  
**Module Title:** Inspect, Test, and Calibrate Pressure Transmitters



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Isolate the pressure transmitter from the process system and inspect all connections for leakage.				
	Apply test medium pressure and verify device setpoint or range "as found". Verify pressure transmitters at zero, mid, and full scale calibration points. Document results "as found."				
	Re-apply test medium for zero, mid-scale and full scale. Adjust if necessary according to device manufacturer's specifications to establish desired calibration.				
	Verify activation of digital control output and/or operation of the end device at the established setpoint. Document final setpoint settings "as left."				
	Notify control center and/or affected personnel after completion of work.				
	Complete appropriate documentation as required by operator's procedures.				

# Performance Profile Sheet (Page 1 of 2)

NCCER Training

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT26\_0-17  
**Module Title:** Verify or Set Protection Parameters for Programmable Controllers and/or Other Instrumentation Control Loops



**Trainee Name:** \_\_\_\_\_

**Training Program Sponsor:** \_\_\_\_\_

**Instructor:** \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Verify and set protection parameters for programmable controllers and/or other instrumentation control loops (CT26_0-17).				
	Identify potential abnormal operating conditions that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	Identify the controlling device.				
	Notify operations control center and/or affected personnel before work begins.				
	Verify that the device setpoint or operating parameters agree with documentation or drawings.				



**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT26\_0-17  
**Module Title:** Verify or Set Protection Parameters for Programmable Controllers and/or Other Instrumentation Control Loops



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Ensure proper isolation of the controlling device from the process system. Verify and document data "as found".				
	Implement changes to parameters and verify acceptance of parameters.				
	Return controller parameters to desired settings for permanent operation.				
	Verify accuracy and scaling for the analog input device.				
	If a loop controller or PLC is used for overpressure protection, verify activation of digital control output and/or operation of the end device at the established setpoint.				
	If pipeline pressure is maintained using a control valve or speed control, verify operation of analog output and control devices, such as control valve or throttle actuator.				
	Document system parameters "as left."				
	Notify operations control center and/or affected personnel.				
	Complete appropriate documentation as required by operator's procedures.				

# Performance Profile Sheet (Page 1 of 2)

NCCER Training

Craft: Pipeline Electrical and Instrumentation Level 2  
 Module: CT30\_0-17  
 Module Title: Test Overfill Protective Devices



Trainee Name:

Training Program  
 Sponsor:

Instructor:

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Test overfill protective devices (CT30_0-17).				
	Identify potential abnormal operating conditions that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	Notify operations control center prior to performing any test or working on the system.				
	Manually trip the overfill protective device alarm.				
	Verify the operations control center has received the alarms and they have cleared appropriately.				

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT30\_0-17  
**Module Title:** Test Overfill Protective Devices



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Verify that the alarms were received locally and that the alarms cleared appropriately.				
	Verify operation of any devices, such as valves, that might operate as part of a relief flow system.				
	Demonstrate the ability to request equipment repairs or replacement.				
	Notify operations control center and/or affected personnel.				
	Complete appropriate documentation as required by operator's procedures.				

# Performance Profile Sheet (Page 1 of 2)

NCCER Training

Craft: Pipeline Electrical and Instrumentation Level 2  
 Module: CT31\_0-17  
 Module Title: Inspect and Calibrate Overfill Protective Devices (Liquid)



Trainee Name: \_\_\_\_\_

Training Program Sponsor: \_\_\_\_\_

Instructor: \_\_\_\_\_

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Inspect and calibrate overfill protective devices (CT31_0-17).				
	Identify potential abnormal operating conditions that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	Notify operations control center prior to performing any test or working on system.				
	Inspect OPD for corrosion or damage. Clean, repair, or replace per the manufacturer's instructions.				
	Test OPD switch.				
	Verify operation of flow control devices and flow switches on relief tanks for operability and/or damage.				

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT31\_0-17  
**Module Title:** Inspect and Calibrate Overfill Protective Devices (Liquid)



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Demonstrate ability to calibrate OPD switch per manufacturer's instructions.				
	Notify operations control center that inspection, testing and calibration is complete and control is returned to SCADA system.				
	Complete appropriate documentation as required by operator's procedures.				

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT44\_3-17  
**Module Title:** Inspect, Test, and Maintain Flow Computer for Hazardous Liquid Leak Detection



**Trainee Name:**

**Training Program Sponsor:**

**Instructor:**

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Inspect, test, and maintain a flow computer for hazardous liquid leak detection (CT44_3-17).				
	Identify potential abnormal operating conditions (AOCs) that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	Determine the flow computer's manufacturer and model identifier, preferably from its faceplate.				
	Examine the flow computer and identify everything connected to it.				
	Before beginning any diagnostic or maintenance work, particularly actions that may affect the pipeline operation, obtain permission from the control center.				

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT44\_3-17  
**Module Title:** Inspect, Test, and Maintain Flow Computer for Hazardous Liquid Leak Detection



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Visually inspect the flow computer for physical damage and proper electrical and I/O connections.				
	If possible, using the flow computer's front panel and controls, check I/O parameters and the status of each connected device.				
	Check each fieldbus, serial data line, and network connection to confirm that it is working correctly.				
	Correct any problems detected, following the appropriate procedure as specified by the manufacturer. After corrective action, re-check the flow computer and its associated devices to confirm that everything is operating correctly.				
	Notify the control center before bringing any equipment back on line.				
	Complete appropriate documentation as required by operator's procedures.				

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT44\_4-17  
**Module Title:** Inspection, Testing, and Corrective and Preventative Maintenance of Tank Gauging for Hazardous Liquid Leak Detection



**Trainee Name:**

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**Training Program Sponsor:**

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**Instructor:**

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**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Inspect, test, and perform corrective and preventative maintenance of tank gauging for hazardous liquid leak detection (CT44_4-17).				
	Identify potential abnormal operating conditions that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment (PPE) according to relevant company procedures.				
	Determine the device's number and nameplate data and confirm the calibration point values for the device.				
	Notify control center and/or affected personnel before work begins.				
	Visually inspect the device and any associated equipment.				



**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT44\_4-17  
**Module Title:** Inspection, Testing, and Corrective and Preventative Maintenance of Tank Gauging for Hazardous Liquid Leak Detection



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Confirm that anything that could disturb the tank is shut off, that inlets and outlets are closed, and that the liquid inside the tank is still.				
	Confirm the test equipment's current certification status.				
	Gauge the tank with a certified device (handline, etc.) and compare its result to the tank gauge output.				
	Calibrate the tank gauge following the manufacturer's procedure.				
	Perform all steps required to resume normal operation. Notify control center and/or affected personnel that the unit has been returned to normal operation.				
	Complete appropriate documentation as required by operator's procedures.				

# Performance Profile Sheet (Page 1 of 2)

NCCER Training

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT44\_5-17  
**Module Title:** Prove Flow Meters for Hazardous Liquid Leak Detection



**Trainee Name:** \_\_\_\_\_

**Training Program Sponsor:** \_\_\_\_\_

**Instructor:** \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Prove flow meters for hazardous liquid leak detection (CT44_5-17).				
	Identify potential abnormal operating conditions that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment (PPE) according to relevant company procedures.				
	Determine the flow meter's number and nameplate data, and confirm the correct flow rate range for the meter in question.				
	Notify control center and/or affected personnel before work begins.				
	Confirm the correct flow rate range for the meter in question by consulting the manufacturer's specifications.				

Craft: Pipeline Electrical and Instrumentation Level 2  
 Module: CT44\_5-17  
 Module Title: Prove Flow Meters for Hazardous Liquid Leak Detection



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	If using a portable prover, confirm that the pipeline pressure is within the prover's operating range and make the appropriate connections to the meter.				
	Line up the prover valves to fill and pressurize the prover and purge out all air. Check the equipment integrity to confirm that everything is working as intended.				
	Line up the prover valves for a proving run, check the block and bleed valves for seal integrity, and verify a stable temperature, pressure, and flow rate at the prover and meter.				
	Measure or otherwise ascertain the product's density or API gravity value and stability.				
	Start the proving run.				
	Confirm accurate input data and generate a meter factor through appropriate calculations or by entering the information into the flow computer.				
	Confirm that the new meter factor is appropriate and implement it as required.				
	If using a portable prover, set valves to appropriate positions to release pressure and empty the unit. Disconnect the unit and terminate all connections as necessary.				
	Return all valves to the correct positions for normal operation.				
	Notify the control center, local personnel, and any other affected personnel that the process is complete and normal operations are restored.				
	Complete appropriate documentation as required by operator's procedures.				

# Performance Profile Sheet (Page 1 of 2)

NCCER Training

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT44\_6-17  
**Module Title:** Maintain Flow Meters for Hazardous Liquid Leak Detection



**Trainee Name:** \_\_\_\_\_

**Training Program Sponsor:** \_\_\_\_\_

**Instructor:** \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Maintain flow meters for hazardous liquid leak detection (CT44_6-17).				
	Identify potential abnormal operating conditions that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment (PPE) according to relevant company procedures.				
	Determine the flow meter's number and nameplate data in order to verify that it is the correct meter to be maintained.				
	Notify control center and/or affected personnel before work begins.				
	Visually examine the flow meter and assess its physical and mechanical condition. Identify and perform any preventative maintenance as required.				

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT44\_6-17  
**Module Title:** Maintain Flow Meters for Hazardous Liquid Leak Detection



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Identify any diagnostic steps specified by the manufacturer's documentation and perform them as appropriate.				
	If the meter needs to be disconnected for maintenance, isolate the meter, release pressure, empty the meter and lines, and disconnect the meter.				
	Complete the necessary repairs to the meter.				
	If the meter has been disconnected for the repair, reconnect it correctly.				
	Notify the control center that the meter is being brought online and that commissioning and startup activities have commenced.				
	Bring the meter online by purging it and filling the pipeline.				
	Check the meter and its associated hardware and connections.				
	Notify the control center that the meter is ready for startup and that it should be proved.				
	Complete appropriate documentation as required by operator's procedures.				

Craft: Pipeline Electrical and Instrumentation Level 2  
 Module: CT44\_7-17  
 Module Title: Inspect, Test, and Maintain Gravimeters/Densitometers  
 for Hazardous Liquid Leak Detection



Trainee Name:

Training Program  
 Sponsor:

Instructor:

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Inspect, test, and maintain gravimeters/densitometers for hazardous liquid leak detection (CT44_7-17).				
	Identify potential abnormal operating conditions that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	Determine the device's number and nameplate data.				
	Verify certification that test equipment has been calibrated prior to performing calibrations.				
	Notify control center and/or affected personnel before work begins.				
	Visually inspect the device and any associated equipment.				

Craft: Pipeline Electrical and Instrumentation Level 2  
 Module: CT44\_7-17  
 Module Title: Inspect, Test, and Maintain Gravimeters/Densitometers for Hazardous Liquid Leak Detection



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Calibrate the device using a pycnometer or hydrometer.				
	Determine the density correction factor using a suitable method and produce an appropriate report.				
	Confirm that the density correction factor is acceptable and enter it into the flow computer.				
	If the unit needs to be removed from the pipeline for repair, determine the current live density value and enter an override to the leak detection system so it can continue operating normally during the maintenance process. Isolate the device, release pressure, empty the device and its piping, and disconnect the unit.				
	Inspect, clean, and repair the device as required.				
	Reconnect the device to the pipeline, taking care that it is correctly oriented for the flow direction (if applicable).				
	Place the device back in-line, purge, and refill the piping with product.				
	Check the instrument loop integrity to confirm that there are no leaks and that the unit is ready to return to service.				
	Notify the control center, local personnel, and any affected personnel that the unit is about to be commissioned and that startup is about to begin.				
	Clear the override density value so a live value will be available for calibration and repeat the calibration procedure.				
	Complete appropriate documentation as required by operator's procedures.				

# Performance Profile Sheet (Page 1 of 2)

NCCER Training

**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT44\_8-17  
**Module Title:** Inspect, Test, and Maintain Temperature Transmitters for Hazardous Liquid Leak Detection



**Trainee Name:**

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**Training Program Sponsor:**

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**Instructor:**

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**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Inspect, test, and maintain temperature transmitters for hazardous liquid leak detection (CT44_8-17).				
	Identify potential abnormal operating conditions (AOCs) that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	Determine the device's number and nameplate data.				
	Before beginning the calibration process, check that the test equipment has itself been certified, calibrated, and verified, and that the transmitter's input and output ranges are appropriately matched to the end device.				
	Notify the control center, local personnel, and any other personnel who might be affected by the calibration/maintenance procedure.				



**Craft:** Pipeline Electrical and Instrumentation Level 2  
**Module:** CT44\_8-17  
**Module Title:** Inspect, Test, and Maintain Temperature Transmitters for Hazardous Liquid Leak Detection



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Visually inspect the device and any associated equipment.				
	Obtain an accurate reference temperature measurement from the process by using a certified thermometer.				
	Determine if transmitter calibration is required and document the current results, including all data.				
	Before beginning calibration, use the current live process temperature value to override the sensor data.				
	Disconnect the transmitter's inputs from the sensor and attach the test equipment.				
	Use the test equipment to supply simulated sensor data to the transmitter.				
	Disconnect the test equipment and restore the unit's normal connections. Terminate the override temperature value previously established.				
	Determine if transmitter calibration is required and perform any sensor trim adjustments.				
	Perform all steps required to resume normal operation.				
	Notify the control center, local personnel, and any affected personnel that the unit has been returned to normal operation.				
	Complete appropriate documentation as required by operator's procedures.				

# Performance Profile Sheet (Page 1 of 2)

NCCER Training

**Craft:** Pipeline Electrical & Instrumentation Level 2  
**Module:** CT55\_0-17  
**Module Title:** Maintain Fixed Gas Detection Equipment



**Trainee Name:**

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**Training Program Sponsor:**

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**Instructor:**

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**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
 Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Maintain fixed gas detection equipment (CT55_0-17).				
	Identify potential abnormal operating conditions (AOCs) that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	Make appropriate notifications prior to beginning the inspection. Verify proper operations, including the mounting, filters, cable connections, sensor placement, and backup power supply.				
	Check setpoints and alarms.				

**Craft:** Pipeline Electrical & Instrumentation Level 2  
**Module:** CT55\_0-17  
**Module Title:** Maintain Fixed Gas Detection Equipment



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Calibrate gas detector (if needed).				
	Verify sensing elements and replace if necessary.				
	Make appropriate notifications upon completion of the inspection.				
	Complete appropriate documentation as required by operator's procedures.				