



Apprentice Name: _____

Step 4 - Apprentice Substation Technician Job Competency / Demonstration Form

| COMPETENCIES/SKILLS | | RATING |
|---------------------|---|--------|
| #1 | Pick one of your utility's substations: identify the type of interrupter mediums for the high side circuit breaker or circuit switcher (oil, vacuum, air, gas). | |
| #2 | Locate the nameplate for the circuit breaker or circuit switcher and explain the information contained on the nameplate. | |
| #3 | Describe/Explain the checks performed (on a monthly basis) for the circuit breaker or circuit switcher. | |
| #4 | Read the manufacturer's manual on the operator and explain how the operator opens and closes the circuit breaker or circuit switcher. | |
| #5 | For the circuit breaker or circuit switcher identify the type of operator used to control the breaker (solenoid, air, hydraulic). | |
| #6 | Locate the customer voltage and control wiring inputs to the control. Determine and describe the voltage levels used to operate the control. | |
| #7 | Explain/describe the monthly checks that should be performed on the operator. | |
| #8 | Read the manufacturer's maintenance manuals for the circuit breaker or circuit switcher and control. List the required maintenance that should be performed on a periodic basis. | |
| #9 | Locate the Spill Prevention, Control and Countermeasure Plan (SPCC) for the substation and read the plan. Explain the SPCC Plan steps to follow for both a major and minor oil spill in the substation. | |
| #10 | Explain the steps needed at your utility to get a clearance on the high side circuit breaker or switcher with the system operator. | |
| #11 | Ability to follow directions. | |
| #12 | Positive attitude toward work and others. | |

RATINGS:

Exceeds Expectations

Meets Expectations

Below Expectations

COMMENTS/REMARKS

I find this apprentice competent in the skills listed above and ready to advance to the next level.

Supervisor's signature: _____ Date: _____