



Apprentice Name: _____

Step 4 - Apprentice Substation Technician Job Competency / Demonstration Form

COMPETENCIES/SKILLS		RATING		
		Please circle		
#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).	1	2	3
#2	Locate the nameplate for the circuit breaker or circuit switcher and explain the information contained on the nameplate.	1	2	3
#3	Describe/Explain the checks performed (on a monthly basis) for the circuit breaker or circuit switcher.	1	2	3
#4	Read the manufacturer's manual on the operator and explain how the operator opens and closes the circuit breaker or circuit switcher.	1	2	3
#5	For the circuit breaker or circuit switcher identify the type of operator used to control the breaker (solenoid, air, hydraulic).	1	2	3
#6	Locate the customer voltage and control wiring inputs to the control. Determine and describe the voltage levels used to operate the control.	1	2	3
#7	Explain/describe the monthly checks that should be performed on the operator.	1	2	3
#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.	1	2	3
#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.	1	2	3
#10	Explain the steps needed at your utility to get a clearance on the high side circuit breaker or switcher with the system operator.	1	2	3
#11	Ability to follow directions.	1	2	3
#12	Positive attitude toward work and others.	1	2	3

RATINGS:

1. Exceeds Expectations
2. Meets Expectations
3. Needs Improvement

COMMENTS/REMARKS
<p>I find this apprentice competent in the skills listed above and ready to advance to the next level.</p> <p>Supervisor's signature: _____ Date: _____</p>