



Apprentice Name: \_\_\_\_\_

## Step 6 - Apprentice Substation Technician Job Competency / Demonstration Form

COMPETENCIES/SKILLS		RATING		
		Please circle		
#1	Explain how to test a capacitor unit prior to installation.	1	2	3
#2	For a substation capacitor bank, explain how to safely put it in service.	1	2	3
#3	For a substation capacitor bank, explain how to safely take it out of service.	1	2	3
#4	For a substation capacitor bank, explain how to perform periodic inspections.	1	2	3
#5	What PPE should be used when working with capacitors?	1	2	3
#6	What types of lightning/surge protection are used in a typical substation?	1	2	3
#7	Why are lightning arresters used?	1	2	3
#8	What inspection methods are used for checking lightning arresters?	1	2	3
#9	Describe how you size a station lightning arrester?	1	2	3
#10	Why are solid grounds important for lightning arresters?	1	2	3
#11	What PPE should be used when working with lightning arresters?	1	2	3
#12	Pick one of your utility's substations: locate the basic wiring diagrams for relay control systems and explain what relays are used and trace the wiring diagrams.	1	2	3
#13	Why is wiring labeling so important?	1	2	3
#14	How often should control wiring be checked?	1	2	3
#15	What PPE should be used when working with control wiring?	1	2	3
#16	Ability to follow directions.	1	2	3
#17	Positive attitude toward work and others.	1	2	3

### RATINGS:

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

COMMENTS/REMARKS	

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

Supervisor's signature: \_\_\_\_\_ Date: \_\_\_\_\_