



Apprentice Name: _____

Step 1 - Apprentice System Operator Job Competency / Demonstration Form

COMPETENCIES/SKILLS		RATING		
		Please circle		
#1	What is an amp/ampere?	1	2	3
#2	What is a volt a measurement of?	1	2	3
#3	Resistance is measured in ____.	1	2	3
#4	Write the equation for Ohm's Law.	1	2	3
#5	Power is the product of ____ and ____.	1	2	3
#6	Explain frequency and how it is measured?	1	2	3
#7	What is the frequency for North America?	1	2	3
#8	When AC voltage and current rise and fall at the same time, they are said to be ____.	1	2	3
#9	When AC voltage and current rise and fall at different times, they are said to be ____.	1	2	3
#10	Explain the relationship of true power, apparent power and reactive power.	1	2	3
#11	Power factor is the ration of ____ to ____.	1	2	3
#12	Explain why a poor power factor is bad for utilities.	1	2	3
#13	What are the interconnected transmission systems referred to?	1	2	3
#14	What ate the four main elements of an electric system?	1	2	3
#15	Explain the "Battle of the Currents".	1	2	3
#16	List three types of companies responsible for the distribution of power to the consumer.	1	2	3
#17	You should always treat the customer or member with ____ and ____.	1	2	3
#18	List several ways a customer's or member's bill may be high.	1	2	3
#19	Explain the term "Energy Diversion".	1	2	3
#20	Draw the Ohm's Law Triangle.	1	2	3
#21	Draw the Power Triangle.	1	2	3
#22	Ability to follow directions.	1	2	3
#23	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>