



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

Step 1 - Apprentice System Operator Job Competency / Demonstration Form

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