



Apprentice Name: _____

Co-Op/Utility Name: _____

Step 1 - Apprentice Meter Technician Job Competency / Demonstration Form

COMPETENCIES/SKILLS		RATING			
		Please circle			
#1	Describe the "Right-Hand Rule".	1	2	3	N/A
#2	What is motor action?	1	2	3	N/A
#3	Motor Action is applied in a meter by what two elements?	1	2	3	N/A
#4	List three basic guidelines that should be followed to ensure safety.	1	2	3	N/A
#5	What three safety devices should be used while replacing a meter?	1	2	3	N/A
#6	Before installing a meter, in what position should the main panel be in?	1	2	3	N/A
#7	Recognize and identify the basic equipment found in a substation.	1	2	3	N/A
#8	Identify some of the safety hazards in a substation.	1	2	3	N/A
#9	What is "Energy Diversion"?	1	2	3	N/A
#10	List four means of bypassing a meter.	1	2	3	N/A
#11	List three devices to secure motor equipment.	1	2	3	N/A
#12	Define "Demand" as used in electricity metering.	1	2	3	N/A
#13	List three types of Demand meters.	1	2	3	N/A
#14	What is the most common demand measurement?	1	2	3	N/A
#15	Identify several early types of watt-hour meters.	1	2	3	N/A
#16	Identify some of the information on a watt-hour meter nameplate.	1	2	3	N/A
#17	Explain the function of an instrument transformer.	1	2	3	N/A
#18	What are the two main classifications of instrument transformers?	1	2	3	N/A
#19	List six basic parts of a watt-hour meter.	1	2	3	N/A
#20	Eddy current fluxes are produced from which three Sources? List the four fluxes that interact to drive a meter disk.	1	2	3	N/A
#21	What is the design speed (RPH) of most motor meters?	1	2	3	N/A
#22	List four compensations built into watt-hour meter instruments.	1	2	3	N/A
#23	List three, watt-hour meter adjustments.	1	2	3	N/A
#24	What are the two poles of a magnet?	1	2	3	N/A
#25	In a magnet, which poles attract, and which poles repel?	1	2	3	N/A
#26	What type of magnet is it when iron is wrapped in current carrying wire?	1	2	3	N/A
#27	What is induction?	1	2	3	N/A
#28	Ability to follow directions.	1	2	3	N/A
#29	Positive attitude toward work and others.	1	2	3	N/A
#30	Review MTAP #1 Curriculum practice questions.	1	2	3	N/A

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: _____