**Section 460.510 Illinois Class 1 Qualification**

a) Metering Types and Voltages. Workers with an MSP Class 1 Qualification are permitted to perform work on single-phase, socket-based meters, operating at a maximum of 120/240 volts or 120/208 volts. This level of qualification does not include transformer-rated meters. Also, connections of meter communications devices shall be outside of energized meter panels.

b) Work to be Performed. MSP Class 1 meter workers may install, remove and replace single-phase, 120/240 volt or 120/208 volt self-contained meters in standard socket-based metering installations. Connections for communication conductors shall be outside the energized meter panels. MSP Class 1 meter workers may be required to install jumpers on single-phase services where bypass provisions are provided or operate a manual bypass switch to maintain service continuity where applicable.

c) Safety Skills

1) Knowledge of basic electrical theory and associated hazards and ability to perform work while avoiding hazards; and

2) Knowledge of and ability to perform work in compliance with procedures and safety rules applicable to class of work performed, including:

A) Basic safety (e.g., driving hazards and animal bite prevention);

B) Electrical safety;

C) OSHA requirements;

D) State requirements;

E) Personal protective equipment;

F) Distribution safety procedures.

d) Essential Technical Skills

1) Knowledge of basic AC/DC electrical theory;

2) Knowledge of single-phase electrical metering;

3) Knowledge of electric distribution in general;

4) Knowledge of the meter panel and socket layout for the metering conditions of this class of meter work;

5) Ability to identify energy diversion or tampering related to this class of meter work;

6) Ability to install and remove damaged and undamaged meters;

7) Ability to read meters used in this class;

8) Ability to use tools appropriate to this class of work;

9) Ability to connect meter communications external to the meter panel;

10) Customer contact skills;

11) Ability to distinguish between single-phase and poly-phase services;

12) Knowledge of DSP construction standards and local inspection authority requirements;; and

13) Ability to safely jumper single-phase meter sockets to maintain service continuity.

e) Determination of Essential Technical and Safety Skills

1) MSPs shall develop and implement a program to train workers to perform Class 1 meter work safely and properly;

2) A minimum of 500 hours on the job training with a Class 1 meter worker (with at least 1 year of experience as a Class 1 meter worker) or with a meter worker with a higher classification and successful completion of the MSP classroom training program.

f) Meter Worker Certification and Re-certification Requirements

1) Employees are certified by the certified MSP, based on successful completion of the training program referenced in subsection (e), demonstrated ability to perform Class 1 meter worker safety skills and essential technical skills, and prior experience;

2) A Class 1 meter worker who has not performed metering work equivalent to that described in subsection (b) for six months or more shall be re-certified prior to performing Class 1 meter work.