**Section 460.520 Illinois Class 2 Qualification**

a) Metering types and voltages. Workers with an MSP Class 2 Qualification are permitted to perform work on all Class 1 meter types, as well as:

1) All self-contained and instrument rated meters less than 600 volts;

2) Accuracy testing of all self-contained meters (field);

3) A-Base meters less than 600 volts;

4) K-Base meters;

5) Communication hook up; and

6) Meters with communication wiring routed inside the panel (work can be in and around energized circuits).

b) Work to be Performed

1) A Class 2 meter worker may work in and around energized circuits, as permitted by the procedures and safety rules of the certificated MSP;

2) In addition to performing the work of a Class 1 meter worker, a Class 2 meter worker may install, remove and replace poly-phase, under 600 volts, self-contained meters in safety socket and standard socket-based metering equipment. A Class 2 worker may operate test-bypass facilities in self-contained safety sockets and install communication wiring inside the panel. A Class 2 worker may be required to install jumpers on services where bypass provisions are provided or operate a manual bypass switch to maintain service continuity where applicable. On panels without bypass provisions or test-bypass facilities, a Class 2 worker may not remove or install poly-phase meters without first disconnecting the customer load;

3) A Class 2 meter worker may install, remove and replace all meters consistent with subsection (b), including transformer-rated meters less than 600 volts; and

4) A Class 2 meter worker may operate test switches, but may not install, alter, maintain or replace wiring between the meter, test switch, test block and associated equipment.

c) Safety Skills

1) All of the safety skills required for Class 1 meter workers;

2) Electrical safety knowledge and work skills appropriate for three-phase metering up to 600 volt phase-to-phase, including the ability to identify and refer to a Class 3 meter installer services above 600 volt phase-to-phase prior to performing work in the service equipment, or if voltage rating is not labeled, at the time of initial voltage check;

3) Ability to operate test-bypass facilities or test blocks in a self-contained safety socket; and

4) Ability to install jumpers on services where bypass provisions are provided or operate a manual bypass switch to maintain service continuity where applicable.

d) Essential Technical Skills

1) All of the essential technical skills required for Class 1 meter workers;

2) Knowledge needed for up to 600 volt poly-phase service and the forms and voltages applicable to Class 2 meter work;

3) Ability to route communication wiring to accommodate meter communications;

4) Ability to understand, interpret, identify and take appropriate actions based upon built-in diagnostics of solid state meters;

5) Ability to perform phase rotation assessments;

6) Ability to work with transformer-rated meters and operate test switches and test blocks;

7) Ability to install jumpers on services where bypass provisions are provided or operate a manual bypass switch to maintain service continuity where applicable; and

8) Ability to test self-contained meters in locations other than in the meter socket using semi-automatic meter test equipment (field test).

e) Determination of Essential Technical and Safety Skills

1) MSPs develop and implement a program to train workers to perform Class 2 meter work safely and properly;

2) Minimum of one year experience as a Class 1 meter worker, 4000 hours on the job training with a Class 2 meter worker (with at least 1 year of experience as a Class 2 meter worker) or 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 certificated MSP, based on successful completion of the training program referenced in subsection (e), demonstrated ability to perform Class 2 safety skills and essential technical skills, and prior experience.

2) A Class 2 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 2 meter work.