# Purpose

The purpose of this micro-credential is to provide a competency-based evaluation. Earning a micro-credential shows mastery of a skill set and supports professionals in their careers in the wind energy industry.

# Scope

This micro-credential describes the minimum criteria for an individual to demonstrate proficiency when using a Digital Multimeter (DMM).

# MICRO-CREDENTIAL Digital Multi-Meter

### Did the trainee properly inspect the DMM?

#### The trainee MUST

1. Verify the unit is within calibration and show proof to the evaluator
2. Verify the anti-tamper sticker(s) are not broken
3. inspect the leads for damage and continuity
4. verify the fuse(s) are intact
5. verify the case is free of conductive material
6. verify the battery is not low
7. Ensure the unit is not damaged in any way that impedes the ability to read the display or function switches and dials.

### Did the trainee correctly identify the expected electrical value before measuring with the DMM?

#### The trainee MUST

1. correctly identify the type of voltage (AC or DC)
2. identify the level of voltage and the required IEC Category of protection to safely measure this voltage
   1. The evaluator may assign a voltage source at random, from a schematic or select a system for the trainee to use in the demonstration

### Did the trainee verify verbally to the evaluator that the voltage and category rating of the DMM is suitable for the test

#### The trainee MUST

1. Correctly show proof to the evaluator of the DMM’s capability to measure the voltage source identified in the previous step
   1. This step requires that the trainee show the evaluator the location(s) on the DMM that signify the values identified in the previous step can be measured

### Did the trainee identify and inspect the required PPE for the anticipated electrical source?

#### The trainee MUST

1. Identify the required PPE for the anticipated voltage source
   1. Trainee MUST properly inspect the required PPE and determine if it is safe to use