# 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 serves as the minimum criteria for an individual to demonstrate proficiency pre-tensioning a fastener using electric torque tools.

# MICRO-CREDENTIAL Electric Torque Tool

1. Did the candidate perform a hazard assessment for the work about to be demonstrated?
   1. Candidate MUST
      1. Perform a hazard assessment for the area in which they are to demonstrate electric torque tools
      2. Use safety glasses as a minimum requirement for PPE
      3. Verbally communicate to the evaluator and include all recognized hazards
   2. Proper PPE MUST
      1. Be selected and inspected for the hazards identified
2. Did the candidate locate the proper torque value for the fastener(s) they are preparing to torque?
   1. Candidate MUST
      1. Use a recognized resource to determine the torque value of the fastener(s) they intend to demonstrate the torque process with
      2. These resources include but are not limited to trades books, service manuals, ASME, ASE or vetted internet resources
   2. Evaluator MUST
      1. Verify the torque value BEFORE the candidate demonstrates the torque process
3. Did the candidate set up the electric torque tool properly?
   1. Candidate MUST
      1. Demonstrate the set-up of the tool
         1. Includes: selection of the preprogrammed torque value identified by the evaluator
      2. Properly install the reaction arm making use of the retaining Allen head fastener
4. Did the candidate properly demonstrate using the electric torque tool to torque the fastener(s) identified in Step B?
   1. Candidate MUST
      1. Demonstrate the proper placement of the tool onto the fastener(s)
      2. Explain to the evaluator how to verify the torque value was achieved
5. Did the candidate demonstrate proper disassembly and storage of the electric torque tool?
   1. Candidate MUST
      1. Demonstrate the proper disassembly and storage of the electric torque tool
      2. Include an inspection to very no tool damage was sustained by the tool during the demonstration
6. Did the candidate perform all tasks safely?
   1. Candidate MUST
7. Demonstrate the task safely while incorporating all identified PPE from the hazard assessment in Step A