# Scope

The Up-Tower Rotor Rotation micro-credential sets the minimum requirements for a person to demonstrate competency to safely rotate the rotor of a wind turbine to a given position using the pitch and brake system.

Rotation of the rotor up tower is a process that must be thought through carefully and requires attention to potential hazards inside the nacelle and precautions to avoid a runaway condition. With some platforms a worm gear can be used to rotate the rotor into the desired position in lieu of pitching the blades.

# MICRO-CREDENTIAL Up Tower Rotor Rotation (Blade Pitch Method)

### Up Tower Rotor Rotation (Blade Pitch Method) Micro-credential

1. Explain the process of rotating the rotor into desired position. Include:
   1. Identify controls used to pitch blades
   2. How to pitch the blades (Both Directions)
   3. What pitch angle may be needed to rotate rotor based on perceived wind velocity
   4. Identify what the desired position of the rotor would be when stopped
   5. Identify what controls are used to apply the brake
   6. Identify when to apply the brake to stop the rotor
   7. How to stop the rotor by applying brake
2. Demonstrate pitching the blades to a predetermined blade angle to start rotation
3. Demonstrate pitching the blades to increase or decrease rotation speed as needed
4. Demonstrate applying the brake
5. Demonstrate pitching blades back to feathered position