Operator’s Manual

1. Setup
   1. The sensor network array must be emplaced.
      1. Each sensor node must be spaced apart no closer than 30m apart and no farther than 500m from each other.
      2. The sensors within the network must be generally oriented in a circle.
      3. Since sensors are omni-directional, the direction of each individual sensor does not affect the networks functionality.
      4. Each sensor’s batteries must be charged and placed within the respective sensor.
   2. The central node must be setup.
      1. The central node can be placed within the sensor network array, but placement is not critical if the user utilizes LTE for communication with the central node.
      2. Plug the power cable for the central node into a typical wall outlet at 120V/60Hz.
      3. Ensure that the central node is running RedHawk IDE with the TRE central node file.
2. Testing
   1. The network
      1. The sensor network array can be tested through the central node by “pinging” each sensor.
   2. The central node
   3. GPS
      1. The individual sensors can be tested for GPS location.