

# Support Trailer Setup

Note: Depending on the number of folks you have multiple tasks can be done at the same time.

## Safety Notes:

- 1. Do not start the generator until all tasks are completed around the support trailer to maintain noise discipline.**
- 2. Install safety ropes on tower if wind is 40 MPH or greater.**
- 3. Ensure you are well clear of any power lines or obstructions when setting up trailer, tower & mast is 40'.**
- 4. When the trailer is picked up at the storage site, make sure all lights are working, fuel valve is off and all safety straps are in place. (leave the trailer cover folded up at the site)**

1. Position Support trailer within 100' of Comm Center.
  - a. Orient trailer north & south.
  - b. Place wheel chocks front and back of tires.
2. Level trailer and deploy outriggers and jacks.
3. Assemble main beam.
  - a. Extend tower pipe mast.
  - b. **Install TNT tower safety bolt**
  - c. Install rotor and orient North.
  - d. Place secondary beam under or by trailer out of the way.
4. Install rope on tower yard arm for G5RV
5. Raise tower about 12' off the ground to allow for beam to be installed on rotor.
6. Install VHF antenna on mast, if needed.
7. Install beam on mast.
  - a. Use spacer nuts on beam bolts.
  - b. Ensure director of beam (shortest element) is pointing north.
8. Connect coax antennas.
  - a. Tape coax on boom and turn loop on pipe mast.
  - b. Tape down VHF coax to pipe mast.
  - c. Ensure rotor control cable is clear and free.
9. Layout main power cable to Comm Center and connect.
  - a. Install spider box if needed for other agencies or connections at site.
  - b. Ensure connectors are protected or routed so not be affected by water.
10. Raise tower to vertical position.
  - a. Monitor winch cable to make sure it is rolled up evenly.

- b. Monitor coax and control cables while raising tower.
  - c. Install tower base pins.
- 11. Extend tower to maximum length.
- 12. Install G5RV.
  - a. Attach Safety Flagging to ends of G5RV if they are low or could be hit by people or vehicles passing by.
- 13. Prep generator for operation.
  - a. Turn on fuel valves.
  - b. Check fuel filters for water.
  - c. Check oil level.
  - d. Make sure power breakers are off.
  - e. Note: this generator is for 110 volts AC operation only.**
  - f. Log in hour meter and time of starting generator in Comm Center Activity Log.
- 14. Start generator.
  - a. Glow plug once for summer ops and twice for winter ops.
- 15. Check with Comm Center to see if they are ready for AC Power from Generator.
- 16. Turn on Generator AC Breakers.
  - a. Check with Comm Center to make sure AC power is ok.
- 17. Secure all equipment & tools around Support Trailer.
  - a. Place Fire Extinguisher on trailer tongue deck.
  - b. Ensure all cables are routed safely to Comm Center.
  - c. Deploy safety cones and flagging.
  - d. Close Generator Dog House and tool box covers.