

Radar Observation

- a. What types/models of radar are being used to detect other airborne operations?
Air Traffic Control Surveillance Radar – AN/TPN-31
- b. Are the radar ground or airborne based? Ground-based radar
- c. What kind of communications will exist between the radar observer and UA pilot (i.e., direct, instantaneous, “open-line”, delayed, etc.)? Direct VHF or UHF radio
- d. What are the skills, knowledge, and certifications of the radar observer to detect other airborne operations (i.e. familiarity with FARs, AT operations and procedures, etc.)? FAA certified and operated approach control facility.
- e. How many aircraft will the radar observer be responsible for monitoring simultaneously? Typically 3 or less UAS operating from 3000’ to 10,000’ MSL and 10 or less low level helicopters operating 1000’ MSL and below
- f. Will the radar observer also pilot the UA? No
- g. What is the reliability of the radar system, communications system, and other supporting systems being used by the radar observer? Very reliable, used in day-to-day ATC operations, 24 hours per day, 365 days per year.
- h. What is the legal connection between the radar observers and the proponent’s organization? All participants are Department of Defense federal employees (military or civilian)