

The following observer communication requirements are excerpts from the Cannon RPA Operating Instructions. Ground observers will utilize the RPA Common Frequency for all communication. This way, when one observer makes a traffic call, all observers hear to include the pilot and the observer located in the Control Tower.

4.1. Ground Communications.

4.1.1. The pilot and ground crew will conduct radio checks to ensure two-way communications are established prior to all ground checks and anytime the aircraft's engine is operating on the ground. Two-way communication will be maintained until the pilot releases the ground crew.

4.1.2. Prior to engine start, the pilot will conduct a radio check and establish two-way communications with all observers. The primary and back up communications shall be checked. Observers will be in communication with the pilot and will follow procedures as specified in **Chapter 5**.

4.1.3. Intercom communications will be limited to flight-critical information from commencement of the "Engine Start" checklist until completion of the "Climb" checklist and from initiation of "Arrival" checklist until completion of "Shutdown" checklist.

5.3. Observers.

5.3.1. For the purpose of see-and-avoid, visual observers must be utilized during all RPA operations. The visual observer(s) may be ground-based or in a chase aircraft.

5.3.2. Observers must keep the RPA in sight at all times and have two-way communications with the RPA pilot. Visual ground observers will be within 2 NM laterally and 3,000' vertically of the RPA during all operations.

5.3.3. All observers shall be in position prior to RPA takeoff.

5.3.4. All ground observers shall be well versed on proper communication with the pilot and will maintain two-way communications with the Pilot and the observer in Cannon Tower. Any time an observer notices a potential conflict between an RPA and other aircraft (one that has not been observed by Cannon Tower), the observer will make an advisory call on RPA Common. The LR FOS will then notify the acting tower watch supervisor of this potential conflict. At no time will any observer direct the pilot to change heading or altitude. The pilot, in coordination with tower, will communicate to resolve the potential conflict.

6.7. Observer Duties.

6.7.1. Be in position one hour prior to the RPA scheduled takeoff/RTB time. Additionally, all observers will continuously monitor the RPA Common Frequency throughout the flight period.

6.7.2. Relay to the RPA Pilot any traffic advisories that occur in each observer's area of responsibility.

6.7.3. Relay to the RPA Pilot when the traffic has cleared the observer's area of responsibility.