

### **Lost link/mission procedures**

Lost link procedures involve a preprogrammed lost link schedule for the air vehicle to navigate to and loiter around a predetermined lost link waypoint in restricted area R-5802. The Shadow's flight control system will be pre-programmed to autonomously fly to this designated orbit point at a specified altitude of 3000 to 10,000 feet MSL. The waypoint will be located approximately 4 nautical miles northwest of the GCS, a geographic location where the potential for reacquiring direct control of the UAV is enhanced. A direct flight route to the lost link waypoint will be utilized at a flight altitude acceptable to air traffic control. If the re-establishment of data link is not accomplished, the air vehicle will remain in loiter until a flight termination command is autonomously executed and the parachute deployed. If lost link procedures are executed, the Mission Commander or AVO will immediately broadcast recovery intentions to ATC.

### **Contingencies in the event of lost command/control link**

The ground station maintains a constant uplink with the UAV. If the uplink signal is not received for a specified length of time, the aircraft performs its lost link protocol, including returning to land at a pre-designated position that will be designated to be within R-5802.