PA-01 Vapor Lost Link/Mission Procedure Summary:

During the pre-flight process, the operator sets up a lost link waypoint and a communications timeout. After passing the timeout limit the Vapor will automatically fly to the lost link (home) waypoint and hover for 30 seconds until communication is reestablished. If communications are not reestablished in 30 seconds of reaching home waypoint, the UA will automatically commence landing at home waypoint. This lost link waypoint may be set up as any standard flight plan available to the operator (standard flight plan, hover, video flight plan, or landing plan). The communications timeout specifies how much time for the autopilot to wait before turning to the lost link waypoint. The aircraft will maintain its last commanded flight plan for 60 seconds which is the manufacturer recommendation for timeout. At the end of 60 seconds with no communication re-established, the aircraft will RTB. All Launch and recovery activity will be in the requested COA airspace. After a time out of 1 minute located at the RTB lost link location, the Aircraft will initiate an auto land at the lost link waypoint. The lost link waypoint will be the coordinates of the location where the helicopter is launched.

Additional detail for re-establishing Link with the aircraft per the following:

**LOST (Link) COMMUNICATIONS**

A. Radio Settings - Verify
B. Antenna - Verify/Switch
C. RF Attenuation/Line Of Sight - Verify
D. Back-up Station - Switch
IF (Link) COMMUNICATIONS NOT RE-ESTABLISHED
1. Last Known Position - Record
2. ATC - Notify
3. Time to Base - Estimate
REPEAT AS NECESSARY
E. Land - As Required