

C. LOST LINK PROCEDURES

The Uglo 7 UAS uses a single communication channel for command and control uplink as well as data downlink. The single communication link is provided by a 1-W 900 MHz spread-spectrum supplied with the Piccolo SL autopilot system as original equipment. The same modem is used in the autopilot and in the Ground Control System (GCS). Since there is only a single communication link between the Uglo 7 UA and the GCS, a lost link constitutes a lost communication event.

The actual procedural plan followed in a Lost Communication Emergency is covered in the Emergency Procedures document, under section A. The description of a lost communication event is given in the Lost Communication Emergency attachment, and covers that of lost link in the case of the Uglo 7 UAS.

In the event of a lost link the aircraft will proceed to the lost link waypoint at 40° 35.358'N 75° 21.486'W and enter an orbit of radius 100' around the waypoint at an altitude of 200' AGL. If the link is not established within 2 minutes the autoland sequence will be initiated.