

Emergency Action – In the event of an emergency involving UAS (Complete loss of control of the UAS, ie. the Flight Control Computer not responding as expected and operator has no control over UAS maneuvers, or command and control data link failure) appropriate Vigilante Emergency Actions will be implemented. Felker ATC will be immediately notified along with the Felker AAF safety officer and the chain of persons at AATD. Emergency crews are on standby for every flight. The Fire/Rescue building is located w/in 500 yards of our operations area. Activation of Fire and Rescue personnel will be at the discretion of ATC. Fire extinguishers are located at the ground test stations. Fire extinguishers will be located at the aircraft launch and recovery site during engine start and shutdown. When approved by ATC, the UAS will be recovered. Operation will not continue until the emergency has been terminated and clearance for take off is obtained from ATC.

During any mode of flight (Mode 1, 2 (direct control), 3 (GPS waypoint Navigation)) the aircraft will be terminated if complete loss of control of the aircraft occurs. If command and control data links are lost, but the Flight Termination link remains intact, the aircraft will enter Mode 4 flight (Autorecovery) and activate a recovery plan, where the Vigilante will fly to a designated Emergency landing area, and perform an autonomous landing. The preprogrammed autorecovery instructions keep the Vigilante within the designated UAS operations area, protecting persons and property outside the area. If both the command and control links are lost, as well as the Flight Termination link, the onboard Flight Termination System will automatically terminate itself.