

Maveric Emergency & Abnormal Procedure Summary:

MOTOR FAIL

- A. AIRSPEED – SET MIN – Predetermined at Flight Readiness Review
- B. SAFE HEADING – EST (Return to Base) – Predetermined at Flight Readiness Review
- C. Check AV descent Rate – Check weather conditions (thermals etc)
- D. Land - As Soon As Safely Possible
- E. If Unable to safely return to base:
 - 1. Conduct Ditch Procedure

MOTOR REDUCED PERFORMANCE

- A. AIRSPEED – SET MIN – Predetermined at Flight Readiness Review
- B. SAFE HEADING - EST (Return To Base)- Predetermined at Flight Readiness Review
- C. Land – As Soon As Safely Possible
- D. If Unable to safely return to base:
 - 1. Conduct Ditch Procedure

STUCK THROTTLE

- A. AIRSPEED – SET TO MAINTAIN SAFE ALTITUDE - Predetermined at Flight Readiness Review
- B. SAFE HEADING - EST (Return To Base)- Predetermined at Flight Readiness Review
- C. Land – As Soon As Safely Possible
- D. If Unable to safely return to base:
 - 1. Conduct Ditch Procedure

GCS LOCK-UP

- A. LAPTOP – CYCLE POWER – VERIFY OPERATION
- B. BACK-LAPTOP – SWITCH
- C. Land - As Required

AP FAIL / UNCONTROLLED FLIGHT

- A. IN VISUAL RANGE
 - 1. MANUAL PILOT – HANDOFF
 - 2. SAFE HEADING – EST (Return To Base) - Predetermined at Flight Readiness Review
 - 3. Land – As Soon As Safely Possible
- B. BEYOND VISUAL RANGE
 - 1. AIRSPEED – SET - Predetermined at Flight Readiness Review
 - 2. SAFE HEADING – EST (Return To Base)- Predetermined at Flight Readiness Review
 - 3. Land – As Soon As Safely Possible
- C. If Unable to safely return to base:
 - 1. Conduct Ditch Procedure

LOW MOTOR BATTERY

- A. ALTITUDE – LEVEL
- B. AIRSPEED – SET MIN - Predetermined at Flight Readiness Review
- C. Descend – As Required
- D. Land – As Required

GPS FAIL

- A. SAFE HEADING – (Return to Base) - Predetermined at Flight Readiness Review
- B. ATC – Notify
- C. Last Known location – Identify
- D. Map/Video or Payload Correlation – Perform (if available)
- E. Land – As Soon As Safely Possible
- F. If Unable to safely return to base:
 - 1. Conduct Ditch Procedure

GCS POWER FAIL

- A. POWER SOURCE – VERIFY
- B. BACK-UP STATION - SWITCH
- C. Land – As Required

DITCH Procedure

- A. ATC – Notify
- B. Safe Heading – Est
- C. Ditch Site – Select known or calculated safe area
- D. Airspeed – Set Minimum
- E. Payload – Off
- F. Motor – Cut
- G. Last Known Position – Record

INTERMITTENT COMMUNICATIONS

- A. Safe Heading – Est (RTB)
- B. Radio Settings - Verify
- C. Antenna – Verify/Switch
- D. RF Attenuation/Line Of Sight – Verify
- E. Back-up Station - Switch
- F. Land – As Required

LOST COMMUNICATIONS

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

MANUAL CONSOLE FAIL

- A. Console Cable - Check
- B. Back-up Console – Switch
- C. Land – As Soon As Practical
- E. If Unable to safely return to base:
 - 1. Conduct Ditch Procedure