

## **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