**PA-01 Vapor Emergency & Abnormal Procedure Summary:**

**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 Ditching Procedure

**LOW FLIGHT BATTERY**

A. AIRSPEED – SET MIN - Predetermined at Flight Readiness Review

B. SAFE HEADING - EST (Return To Base)

C. Land – As Soon As Safely Possible

D. If Unable to safely return to base:

1. Conduct Ditching Procedure

**PC LOCK-UP**

A. BACK-UP PC - SWITCH

B. 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 Ditching Procedure

**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. Radar Vectors – Request (if available)

F. Land – As Soon As Safely Possible

G. If Unable to safely return to base:

1. Conduct Ditching Procedure

**GCS POWER FAIL**

A. POWER SOURCE – VERIFY

B. BACK-UP STATION - SWITCH

C. Land – As Required

**DITCHING Procedure**

A. ATC – Notify

B. Safe Heading – Est

C. Ditch Site – Select known or calculated safe area

D. Airspeed – Set Minimum

E. Payload – Stow

F. Payload – Off

G. Engine – Cut

H. 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. ATC – Notify

3. Time to Base – Estimate

REPEAT AS NECCESSARY

E. Land – As Required

**MANUAL CONSOLE FAIL**

A. Pilot Address - Verify

B. Console Cable - Check

C. Back-up Console – Switch

E. Land – As Soon As Practical

F. If Unable to safely return to base:

1. Conduct Ditching Procedure