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 NECESSARY
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