

## ● P11231 Loose Ends

### Mechanical

- Repair covering damaged in ESC fire and from dropped battery
- Determine status of motor
- Replace the burnt out ESC
- Repair 3 into 1 parallel harness
- Re-evaluate battery needs
- Build new power system wiring harness to accommodate any new battery configuration
- Buy spare propeller
- Mark CG on fuselage and wing (30 to 33% of chord)

### Flight Testing

- Program transmitter to simulate step inputs on Aileron and Rudder deflections
- Take aerial photos
- Test endurance of any modified power system

### Mathematical Model

- Evaluate accuracy of DATCOM model
- Refine coefficient estimates
- Enhance interface for control surface inputs
- Create dynamic thrust model
- Change output format to help visualize simulation results

### CCP

- Affix surface mount components to complete board construction.
- Test design and verify that the previous teams MATLAB integration is functioning.
- Verify/replace IOC logging.
- Update basestation application.

### Telemetry

- Build RS-232 transceiver circuit allowing the integration of the wireless communication system with the IOB.
- Test bi-directional communication and evaluate battery integrity.