

## **MINUTES – Fly Rollers Meeting 17 (2/25/16)**

Dr. Santora and all team members present

### **Discussion:**

- a) Plans to use the Delfino 77D as the master
- b) Went over general coding practices.
  - Define problem (what inputs, outputs, how will it go through, what's going on inside, etc.)
  - Think about what hardware we are using
  - Make data flow and control flow diagrams
  - Develop states
  - Set up all PID loops
  - Set up hardware for 24 PWMs and 24 ADCs
  - Note all inputs. Use arrays
  - Add bias point and position algorithm point
  - Put a PWM on all 24 pins, put on a scope and make sure each one is working
  - Develop pseudo code

### **Action Items:**

- 1) Philip code, work with hardware, collaborate with Eric Silk, and work on DFMEA
- 2) Evan will work on packaging, order ribbon cable, and will help Philip with hardware
- 3) Brian will work with Dr. Law to sort out our power supply issue
- 4) Gavin will present the pros and cons of several potential encoders by Tuesday including part numbers and data sheets. He will also write two abstracts for upcoming presentations.
- 5) Everyone needs to look at Dr. Law's thesis appendices and also review Brent's thesis for more coding information. Try to code as much as possible

Respectfully Submitted,

Gavin Meyer