

Minutes

(Sponsor Meeting)

Group: Quadcopter

Date | *time* 10/01/2013 10:32 AM

In Attendance

Kevin (Sponsor), Matthew Kische, Jigar Patel, John Chung, Andrew Silva, Adam Sobiewski and Gabriel Morales

Agenda

To discuss briefly with the sponsors about the details and specification of the senior design project.

Notes

Topics that were discussed were related to the specifications of the PX4 processor, ROS operating system, and modeling/simulation.

Overview:

- MAVLink:
 - Header-only message marshaling library
 - Standard communication between PX4 and ROS through use of nodes.
- ROS (Robot Operating System):
 - Communicates with PX4 Auto-pilot
 - Primary focus to transfer meta-data between RC-controller and autopilot.
 - Secondary focus to process mapping.
- PX4 Controller:
 - Primary OS used to handle majority of Quadcopter processes.
- Electronic components needed:
 - PX4FMU
 - PX4IO
 - PX4FLOW

Week Goals

- Begin simulation/modeling and AUTCAT designs.
- Submit order sheets.

Next Meeting

Team Meeting

10/08/2013 | 10:30 AM to 11:00 AM