

Weekly Progress Report

Capstone Team 8 RISC-V CleanFlight/BetaFlight Port

Week #19

Date: 05/11 - 05/18

Authors:

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Summary:

Bliss check ins:

- Monday

- **Done**
 - Betaflight UART file dependencies
 - Kendryte UART implementation
- **Doing**
 - Communicating between 2 boards using UART (Postponed)

- Tuesday

- **Done**
- **Doing**
 - Documentation review
 - Going through teams old documentation checking for incompleteness or missing parts.

- Wednesday

- **Done**
 - Going through teams old documentation checking for incompleteness or missing parts.
- **Doing**
 - Documentation review

- Thursday

- **Done**
- **Doing**
 - Documentation review

- Restarting project from scratch using our documentation as a guide to test its usefulness
- Friday
 - Done
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 - Doing
 - Documentation review
 - Restarting project from scratch using our documentation as a guide to test its usefulness

Eric check ins:

- Monday
 - Done
 - Doing
 - Cloned Niko's Unity testing sandbox, trying to get it compiling
- Tuesday
 - Done
 - Doing
 - Working on improving testing sandbox (getting it to build properly, and display test results correctly on K210 hardware)
- Wednesday
 - Done
 - Doing
 - Bringing up testing sandbox on my branch (erics_branch) - (was originally working with it on Niko's branch, but mine is quite different)
- Thursday
 - Done
 - Got the testing environment to build executable that runs and displays test results (will be used for final testing)
 - Doing
 - Need to bring the test environment over to Ruben's branch (our most advanced branch), and start creating unit tests
- Friday
 - Done
 - Doing
 - Working on other classwork

Niko check ins:

- Monday
 - Done clean up the Unity Makefile
 - Doing flash drivers for K210
- Tuesday
 - Done modified kendryte's flash demo

- **Doing** uncommenting source.mk
- **Wednesday**
 - **Done** modified config_eeprom.c, config_streamer.c, init.c
 - **Doing** working on initialization settings
- **Thursday**
 - **Done** emailed the team
 - **Doing** working on initialization settings
- **Friday**
 - **Done** Create source file for the a PG in src/pg flash_k210.c
 - **Doing** config_streamer.c

Ruben check ins:

- **Monday**
 - **Done**
 - Had code sync session with Eric and Niko and Niko shared Unity app for unit testing
 - **Doing**
- **Tuesday**
 - **Done**
 - **Doing**
 - Working on spi driver and flash
- **Wednesday**
 - **Done**
 - **Doing**
 - Working on spi driver and flash
- **Thursday**
 - **Done**
 - Integrated spi driver to allow flashing of config file
 - **Doing**
 - Working on flash implementation
- **Friday**
 - **Done**
 - **Doing**
 - Working on flash implementation

Weekly Issues:

1. Ex
2. Ex2

Notes:

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