

Weekly Progress Report

Capstone Team 8 RISC-V CleanFlight/BetaFlight Port

Week #17

Date: 04/27 - 05/04

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Summary:

Bliss check ins:

- **Monday**
 - **Done**
 - How to manually send data through the UART for testing
 - **Doing**
 - Betaflight UART research
- **Tuesday**
 - **Done**
 - **Doing**
 - Betaflight UART research
 - Betaflight UART file dependencies
 - Kendryte UART implementation
- **Wednesday**
 - **Done**
 - **Doing**
 - Betaflight UART research
 - Betaflight UART file dependencies
 - Kendryte UART implementation
- **Thursday**
 - **Done**
 - **Doing**
 - Betaflight UART research
 - Betaflight UART file dependencies
 - Kendryte UART implementation

- Friday
 - Done
 - Doing
 - Betaflight UART research
 - Betaflight UART file dependencies
 - Kendryte UART implementation

Eric check ins:

- Monday
 - Done
 - Config storage changes:
 - Discovered why executable won't run on Maixbit board (b/c of sections we added to the K210 linker script to make it compatible with BF).
 - Commented them out for now - program successfully enters main.c on the board.
 - Doing
 - Continuing config storage work

- Tuesday
 - Done
 - Continued with linker script work:
 - Found correct location for troublesome BF sections in the linker script.
 - Program now successfully enters init() from main.c.
 - Doing
 - Continuing to trace config storage execution

- Wednesday
 - Done
 - Created wiki documentation for: target.h, target.mk, common_pre.h
 - Doing
 - Writing 'BF repo map' document (guide to navigating the BF repo)

- Thursday
 - Done
 - Doing
 - Working on other classwork

- Friday
 - Done
 - Doing
 - Working on other classwork

Niko check ins:

- Monday
 - Done
 - Doing
- Tuesday

- Done
- Doing
- Wednesday
 - Done
 - Doing
- Thursday
 - Done
 - Doing
- Friday
 - Done
 - Doing

Ruben check ins:

- Monday
 - Done
 - Fixed 2GB file size of bin. Bin size looks about right
 - Doing
 - Bliss ran bin but got errors and not prints. Still working on getting correct config setting and compilation
- Tuesday
 - Done
 - Doing
 - Started to implement config settings so working with flash
- Wednesday
 - Done
 - Doing
 - Sync with Eric - found some flags need for communicating with flash
- Thursday
 - Done
 - Doing
 - Working on pg and config setup
- Friday
 - Done
 - Sync with Eric to continue working with pg setup and config setup
 - Doing

Weekly Issues:

1. Ex
2. Ex2

Notes:

Niko was busy with midterms and work.