Team Name: sddec21-02
Team Members:
  Matthew Dwyer
  Prince Tshombe
  Cody Tomkins
  Spencer Davis
  Braedon Giblin
Report Period: Sep. 28- Oct. 11

Summary of Progress in this Period

Braedon: My primary focus this week has been on getting the drivers compiled. We were aiming to get a sample "Hello world" style driver compiled and tested into our buildroot framework out of the tree. This took significantly longer than expected to accomplish, but ultimately I was able to get the driver compiled and running. Next, I have been working on getting the more complex IMU driver operating. The biggest roadblock has been soft-float libraries not being found during the automated out of tree compilation process.

Cody: I have made some progress on creating a state machine for our end-to-end system demo. I have created a prototype of it thus far, and I am working on getting it to compile and hook to Braedon's driver code. Once this is done, we should be very close to having our demo finished. Our client has provided some example code that I am also looking at in order to get this finished.

Spencer: I have been working with Braedon to get the aforementioned "Hello world" style driver compiled and tested within build root.

Matt: Compiled libremoteport example program, fixing previous compile errors and dependency issues. Updated and completed documentation on the open pull request with the open source repo. Re-verified demo setup after summer dependency updates.

Pending Issues

Braedon: Soft float on the IMU driver needs to be handled appropriately so that the module will link properly.

Plans for Upcoming Reporting Period

Braedon: Generate state machine for IMU memory interactions. Define hardware/software interface functionality that will operate on our Cosim IMU setup

Cody: I hope to finish the state machine this week or next. Once we finish this demo, a huge part of our project will be complete. After that, I plan on assisting Spencer on his program. I would also like to provide some extra documentation for the scope of our project to aid new users to our application.

Spencer: Expand the aforementioned driver to include basic I/O functionality. The first step in this will be to include functionality for the retrieval of chip information.

Matt: Implement fine-grained interaction between libremoteport and cosim model. Proof of concept of this interaction is critical for the next phase of our project as we build our demo.

Weekly Hours Worked

Team Member	Hours Worked (Both weeks combined)
Matthew Dwyer	15
Prince Tshombe	
Cody Tomkins	10
Spencer Davis	10
Braedon Giblin	15