

[Friday March 15] Meeting

Attendees

- @Finlay Cross
- @Benjamin Ireland
- @Ronniel Padua
- @Se Hyun Kim
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- Graeme Woodward
- Andreas Willig

Links

- [Link to meeting recording]
- Private (<https://app.clickup.com/9016203600/docs/8cpgpag-4076/8cpgpag-4396>)
- [Link to key resources for easy reference]



Agenda Items & Notes Overview

Objective

Topic	Description
Assignees	Who has been assigned to each project part
Git lab access	See about getting
Project proposal info	Who is this for, and why
Organise test run	Organise a test flight for the drones
Ask questions	

Questions

Network Protocol:

- What protocol we are using or if we must design one ourselves
- What is the data injection application

- What is the API

Path Planning:

- A definitive measure of success
- Have they done any profiling to see most resource intensive tasks we should optimise first.
- Do we need to replace all the python with C++ or only the most intensive parts
- Is there already target tracking software

Visualisation:

-

Application and Integration:

- What defines an accurate target tracking

MINUTES

Project proposal:

SH: Handing in draft proposal in on monday.

GW: Will get back to you with feedback early next week

AW: Not able to give feedback to on Raiths.

GW: I am happy to look over Raiths.

Morning Drone Flight:

GW: Fill in Andreas on the drone test flight that occurred this morning.

SH: The drones stopped communicating with the controllers during the test.

AW: I assume you have checked the obvious?

GW: Yes we have checked the basics, battery not 100% but the problems have not been fully disclosed.

AW: No idea what might be going wrong.

GW: We do have the instruction manual for the controller for the team to overview.

GW: Do we have anyone that might be able to diagnose in Comp Sci?

AW: No not anymore.

AW: Has the team discussed the health and safety with the department, as this is recognised as a field trip?

SH: Not yet.

GW: You will likely need to get in contact with the H&S officers, Shane will also require you to complete a lipo battery assessment.

GW: This includes getting the security forms filled out one on one with them.

AW: Do this before the next flight test.

Visualisation:

RP: What was the software being used for visualisation?

GW: Should use the ground control software.

Budget:

FC: Currently, we have a budget for the uSB wifi adaptors and the RC car.

GW: You will have to look-up external antennas for the raspberry pi. If that

GW: May need a pigtail to connect the antenna to the Rpi.

SH: Do you have any GPS modules handy for me to work with.

GW: I do have some, I will have a look around for one in the lab.

GW: Otherwise you may need to buy one.

SH: do you have any questions for us?

GW: Do we want to work on getting a new flight test date?

SH: Flight test next Tuesday at 10am.




BI: Need to get the H&S/security forms done by then.

FC: So will we set up a another flight test with tobi for friday?

GW: Will depend on his schedule.



Action Items

 Action Item	 Assignee	 Target Due Date
Give access to the sharepoint.	Graeme Woodward	--
Acquire H&S forms.	@Finlay Cross	19/3/2024
Re-pair Controllers	ALL	--
ELEC: Project Proposal Draft	@Benjamin Ireland , @Finlay Cross , @Ronniel Padua , @Se Hyun Kim	18/3/2024
SW: Project Plan	@Raith Fullam	18/3/2024