

Location: WRC Meeting Room

Date: 8/10/24

Time: 1-2pm

Attendees

- Benjamin Ireland
- [Se Hyun Kim](#)
- Andreas Willig
- Raith Fullam
- Finlay Cross
- Graeme Woodward

Apologies

- Ronniel Padua

Agenda Items & Notes

Objective

This meeting is used to share announcements and project updates. Please add your weekly updates to the agenda below. Guidelines are to share 2-3 high point updates on your progress since our last meeting and what you are going to do for the next week.

- **Topic 1 – Project Handover**
 - **Flight Test Timeline**
 - **Any additional handover items?**
- **Topic 2 – Raiths Updates**

Minutes:

- **Topic 1 – Project Handover**

Flight test timeline:

1 pm flight test, invite toby.

Add documentation to git repo.

GPS:

GPS direct substitute receiver, will be emailed when it arrives.

- **Topic 2 - Raiths Updates**

Packet loss?

- might be cant process the last packet quick enough
- 10ms vs 185ms
- cant capture next packet until last one is process
- should be async but might not be doing that
- 100ms = 10hz packet, if take out restriction can be 5ms but there is a

100ms baseline needed

happy with 185ms? Can classify as success?

- 2.5% packet loss over 3m is a bit high for such a short distance
 - o Don't know antennas, propagation things
 - o 185ms per not too concerning
 - Can play around with system parameters
 -

Packet loss could be because onboard antenna and or high traffic

- 5 internet devices, if actively streaming could be different
- do experiment with low traffic

- New ros2 can run 24.04 ubuntu (jazzy) - RPI5 cant run 22.04, but RPI4 can run 24.04

- Add to report

- **Topic 3 – GUI Updates**

- **When a new screen is made calls all file dependencies. Might recommend combining classes.**
- **G: Should use some inheritance with the class structure, might be better.**
- **R: There is a multitude of classes will investigate code organisation.**
- **A: What are you working on, specifically?**
- **R: Will likely only be making recommendations for the next year and writing the report.**
- **G: Make sure you explain what you have done individually in the report.**