

MoM – Meet team 41

Date: 20th March 2024

Time: 1400HRS to 1700HRS

Location: Felicity Ground

Attendees: Vinit Mehta, Medha Prasad, Prithvi Karthik, Manasa Kalaimalai,
Shailender Goyal

Agenda:

1. Testing GUI on drone in ground
2. Testing RTH button, Kill motors button, and Set guided button
3. Need for Getac tablet for compass
4. Client's method for uploading XML files for custom MAVLink messages
5. Collaboration with other team for video feed integration
6. Changes in GUI discussed

Minutes:

1. Testing GUI on Drone in Ground:

- a. The team tested the GUI on the drone while it was on the ground to ensure functionality.

2. Testing RTH Button, Kill Motors Button, and Set Guided Button:

- a. Various buttons like Return to Home (RTH), Kill Motors, and Set Guided were tested to ensure proper operation.

3. Need for Getac Tablet for Compass:

- a. It was decided that a Getac tablet would be necessary for compass functionality.

4. Client's Method for Uploading XML Files for Custom MAVLink Messages:

- a. It was noted that the client would upload XML files for custom MAVLink messages to be implemented.

5. Collaboration with Other Team for Video Feed Integration:

- a. Collaboration with another team was discussed for integrating the video feed.
- b. The client needs to finalize whether the video feed will be taken from USB or Ethernet.

6. Changes in GUI Discussed:

- a. Several changes in the GUI were discussed:
 - 6.1. Moving telemetry connected icon to the header bar
 - 6.2. Moving settings, grid, and mode icons to the right side of the header
 - 6.3. Implementing a ready status display in the header
 - 6.4. Displaying a time-to-kill pop-up at the start over the map
 - 6.5. Displaying warning and pop-ups on the map
 - 6.6. Adding a small circle at the bottom left-hand side of the map for video feed
 - 6.7. Replacing the north arrow with a compass for the tab

- 6.8. Adding an option to see the map in full-screen mode in settings
- 6.9. Designating slots in the action menu for various drone details and ammo information
- 6.10. Adding specific buttons in the Mission Control section
- 6.11. Including + and - keys below the zoom slider
- 6.12. Storing log data in the database after encryption
- 6.13. Working on RFD connection

Action Items:

- Implement changes discussed in the GUI.
- Coordinate with the client regarding the upload of XML files for custom MAVLink messages.
- Collaborate with the other team to finalize the video feed integration method.
- Procure a Getac tablet for compass functionality.