

# MoM – Meet team 41

**Date:** 13<sup>th</sup> April 2024

**Time:** 1130HRS to 1400HRS

**Location:** Felicity Ground

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

## Agenda:

1. Ground testing of software implementation
2. Implementation of GUI changes discussed in the previous meeting
3. Testing of Ready button, video feed, and multiple drones operation
4. Client's directives from the meeting

## Minutes:

- **Ground Testing of Software Implementation:**
  1. The team conducted ground testing of the software, focusing on the recently implemented GUI changes.
  2. Emphasis was placed on ensuring the functionality of the Ready button, video feed integration, and operation with multiple drones.
- **Implementation of GUI Changes:**
  1. Changes discussed in the previous meeting were successfully implemented.
  2. GUI modifications included relocating telemetry connected icon, settings, grid, and mode icons, and implementing a ready status display.
  3. Additional changes such as displaying time-to-kill pop-up, warning pop-ups on the map, and adding a circle for video feed were incorporated.
  4. The north arrow was replaced with a compass, and options for full-screen mode in settings were added.
  5. Slots were designated in the action menu for drone details and ammo information.
  6. Specific buttons were added in the Mission Control section, and + and - keys were included below the zoom slider.
- **Testing of Features:**
  1. Ground testing encompassed the functionality of the Ready button, video feed integration, and operation with multiple drones.
  2. The team ensured that the software performed as expected in these aspects.
- **Client's Directives:**
  1. The client informed that they would provide the Getac tablet by Monday, 15th April.
  2. The next meeting with the client is scheduled for Wednesday, 17th April.
  3. The client requested changes to the trail point coloring: 0-15 meters to be red, 15-45 meters to be light green, and above 45 meters to be green.
  4. Change battery representation from percentage to voltage.
  5. Send the client a video demonstrating zoom in and zoom out functionalities of two different drones (one drone hardcoded and the other simulated).
  6. Display time-to-kill only when an enemy drone is present.

7. Implement custom MAVLink messages without testing, as testing is currently not feasible.
8. Implement slide to confirm functionality during drone takeoff.

**Action Items:**

- Procure the Getac tablet by Monday, 15th April.
- Prepare for the next meeting with the client on Wednesday, 17th April.
- Adjust trail point coloring as per client's specifications.
- Update battery representation to voltage.
- Send the client a video demonstrating zoom functionalities of two drones.
- Modify time-to-kill display based on enemy drone presence.
- Implement custom MAVLink messages.
- Implement slide to confirm functionality during drone takeoff.