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| main_logoQUT AvionicsMINUTES OF MEETING | | | | | | | | |
| Place: S1113 | Author: Michael Hamilton | | | | | Date: 20/12/09  Start Time: 2 pm  End Time: 3 pm | | |
| **1.** Subject: AHNS Pre-Semester Schedule Organisation | | | | | | Page: 4  Annexes: N /A | | |
| **2.** Agenda:  1. Previous year project   * + Review of System   + Verification of System * Implementation of IMU and controllers * Pilot Skill Level * Flight Test Required   2. This year’s project   * High Level Objectives Discussion * Division of Roles Discussion * Rough Timeline of Major Milestones * Method of Management in Team * Sponsorship * Meeting Schedule in January/February  1. Open Discussion | | | | | | | | |
| **3.** Attendants: | | | | | | | | |
| Names | | Code | | Organisation | | | |
| Michael Hamilton | | MH | | AHNS Project | | | |
| Michael Kincel | | MK | | AHNS Project | | | |
| Timothy Molloy | | TM | | AHNS Project | | | |
| Liam O’Sullivan | | LO | | AHNS Project | | | |
| **4.** Main conclusions and meetings planned:   * Division of roles and rough HLO’s * Next meeting early January | | | | | | | | |
| **5.** Distribution:  AHNS Members | | | | | QUT internal distribution: | | | |
| **6.** Signatures: | | | | | | | | |
| Organisations | AHNS Project | | AHNS Project | | AHNS Project | | AHNS Project | |
| Names | Michael Hamilton | | Michael Kincel | | Timothy Molloy | | Liam O’Sullivan | |
| Signatures |  | |  | |  | |  | |

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| MINUTES OF MEETING | Page: 2 / 4 ACTIONS | | |
| N° | Responsible person | Date |
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| Review of System:  MH: 2-3 weeks on documents (January) | 01/04 | All Members | 10/01/10 |
| Verification of System:  MH: Look at last year's testing methods to decide what needs to be verified  MK: Needs to locate a helicopter to demonstrate pilot skills - using AeroFly Deluxe | 02/04 | All Members | 10/01/10 |
| High Level Objectives Discussion:  LO: Last years? only one fully achieved.  TM: Need to set our control objectives in terms of flight mode. Hover, Forward flight, Stopping.  MK: Onboard or offboard control will change how the servo control is developed.  LO: How did Sparrow do it?  MK: Multiplex the outputs to the servos.  LO: How did Paparazzi. MK: software multiplex, cannot overlay RC commands.  MH: Still need localisation, probably won't need to change that HLO much.  MH: autonomous landing.  TM: Probably hovering transitions. RC entry and exit.  MK: Comms? wifi or bluetooth still around?  MH: using the Uni wireless? ask Luis.  TM: Bluetooth might be better from packet throughput.  MK: range on bluetooth?  LO: Not pressing, just replace datalink.  MH: That is it.  LO: Remove HMI due to lack of 5th person.  TM: Multiple GCS involves more work.  LO: not needed. |  |  |  |
| Division of Roles Discussion:  MK: Pilot, airframe, hardware integration  TM: Control, GCS  LO: Localisation/State Estimation, GCS  MH: PM, Comms (interface with GCS and onboard) |  |  |  |
| Rough Timeline of Major Milestones:  MH: January - STARTING  MH: Verification Meetings  MH: Draft HLOS, SR and System Architecture  MH: Luis to one of these meetings |  |  |  |
| Method of Management in Team:  MH: Keep work packages large/general |  |  |  |
| Sponsorship:  MH: Write a letter to Owner of Jaycar Electronics for support. | 03/04 | Michael Hamilton | 10/01/10 |
| Meeting Schedule in January/February:  MH: Email any unavailable days to MH. | 04/04 | All Members | 10/01/10 |