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| main_logoQUT AvionicsMINUTES OF MEETING | | | | | | | | |
| Place: S1113 | Author: Michael Hamilton | | | | | Date: 16/04/10  Start Time: 1 pm  End Time: 3 pm | | |
| **1.** Subject: AHNS Semester 1 Schedule Organisation | | | | | | Page: 1 / 3  Annexes: N /A | | |
| **2.** Agenda:   1. Create a SVN to host all communication files. 2. Define communication structure to allow all equipment a common channel to transfer data between. 3. Create common header to ensure each project group knows the data being sent and received. | | | | | | | | |
| **3.** Attendants: | | | | | | | | |
| Names | | Code | | Organisation | | | |
| Luis Menjias | | LM | | QUT Supervisor | | | |
| Michael Hamilton | | MH | | AHNS Project | | | |
| Michael Kincel | | MK | | AHNS Project | | | |
| Timothy Molloy | | TM | | AHNS Project | | | |
| Liam O’Sullivan | | LO | | AHNS Project | | | |
| David Collins | | DC | | HSEFE Project | | | |
| Archit Menon | | AM | | HSEFE Project | | | |
| David Woolfield | | DF | | HSEFE Project | | | |
| Joel Dawkins | | JD | | IPhone Project | | | |
| **4.** Main conclusions and meetings planned:   * A SVN called “heliconnect10” on the ‘Google Code’ SVN service. All students will create a ‘Gmail’ account, to allow then to become contributors to the SVN. * TCP will be the communication protocol used, and the server will be uploaded to the SVN by Luis Mejias. * Header files are to be created by each project. | | | | | | | | |
| **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: 3 / 3 ACTIONS | | |
| N° | Responsible person | Date |
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| LM: To start off I will introduce everyone, AHNS is a project revolved around designing and building an autonomous indoor flying helicopter that can stabilise itself and determine its relative position. HSEFE role is to develop software for a helicopter onboard camera to track a target in a 2D plane and manoeuvre the aircraft to centre the target within the field of view. Finally the IPhone project requires the accelerometer data from an apple IPhone to be collected, and software to be developed to manoeuvre the helicopter utilising the movement of the IPhone. A SVN should be created to allow all students to share information between each other. | 1/3 | Tim Molloy - AHNS | 18/04/10 |
| LM: A single communication standard must be created to allow all the individual projects to communicate together. I have both a UDP and TCP server code written. The appropriate server must be chosen, and I will upload to the SVN.  AHNS: We think TCP would be the best to implement, as we need to ensure that there is no packet loss between the ground station and platform.  HSEFE: We believe that UDP would suit our needs, and believe that TCP is too complicated.  AHNS: We will set up the server, so from your end there is no difference. | 2/3 | All Students | 18/04/10 |
| LM: Finally a header file must be created to allow all projects to understand what each device and sending over the network. This will allow projects to use the data collected from other sub-systems. All teams must develop one and submit to the SVN. | 3/3 | All Teams | 20/04/10 |