Week of: June 16, 2013

Risks and Issues (RAG View):

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Risk Description | Schedule Impact | Scope  Impact | Budget  Impact | **Total  Impact** | Likelihood Mutliplier | Quantitative Risk Value (w/ RAG) | Status | Mitigation |
| Inexperience with Android  Development Environment | 3 | 4 | 3 | **10** | 100.00% | 10 | In Progress | Scheduled 2 Weeks Research |
| Inexperience with Bluetooth | 3 | 4 | 3 | **10** | 100.00% | 10 | In Progress | Scheduled 1 Week Research |
| Inexperience w/ C Language and its Translation to Java | 3 | 4 | 3 | **10** | 100.00% | 10 | Closed | Scheduled 1 Week Research |
| Android Constraints on Bluetooth Connectivity | 4 | 5 | 4 | **13** | 80.00% | 10.4 | In Progress | 2 Weeks of Bluetooth to Android Connectivity and Security Research |
| Android Firmware Incompatibility | 1 | 1 | 1 | **3** | 30.00% | 0.9 | Closed | Testing Application for  the Most Popular Firmware Releases: 3.0 and 4.3 |
| Bluetooth High/Low Current  Setting Doesn't Work | 1 | 2 | 1 | **4** | 70.00% | 2.8 | Closed | Not Necessary to Meet Marketing Requirements |
| Assuming Only One G4 Device Per Site | 3 | 1 | 3 | **7** | 50.00% | 3.5 | Closed | Not a problem as long as each G4’s Bluetooth name is differentiable |
| Bluetooth Dongles Left Active In G4 Devices Will Draw Enough Current to Kill the Solar Powered Battery | 1 | 2 | 1 | **4** | 50.00% | 2 | Open | Not Necessary to Meet  Marketing Requirements |
| Not all Bluetooth phones recognize G4 devices. *More likely to be a phone issue.* | 3 | 2 | 3 | **9** | 70.00% | 5.6 | Open | Investigate options! 6/18/13 |
| Getting trend data follows a different protocol since the data comes in packets. | 5 | 4 | 5 | **14** | 100.00% | 14 | Open | Investigate options! 6/18/13 |
| When batters drops below 11.9V communications are disabled. | 3 | 3 | 3 | **9** | 70.00% | 6.3 | Open | Investigate options! 6/18/13 |

Accomplishments / Work-in-Progress Activities:

**Lee Ellis Easton**

1. Compiled Technical Requirements document and scheduled review meeting. (4/28)
2. Technical Requirements document is planned for final review this week.
3. Continued development of Wiki Portal for the Android Development Group.
4. Continued work on Design Document
5. Research why PCCU always defaults “local” over “remote” and alternatives
6. Research how to select file type for application and best way to share file (<http://developer.android.com/training/basics/data-storage/files.html>)

**Victoria Som de Cerff**

***Finished:***

* Bluetooth connection established.
* Bluetooth Write and Read functions between devices.
* Successful build up of xFrame.
* Successful build up of xHeader.
* Successful build up of xRecord.
* Able to get multiple register's data and historical data.
* Can save data bytes to external memory.
* Can build up a .csv file and email it.

***In Progress:***

* Changing protocol settings on G4 Device from TotalFlow Local to TotalFlow Remote.
* Setting up TCP/IP connection.
* Understanding multi-tube devices.
* Controlling error display.

**Jeff Szcinski II**

* Proposed many design alternatives to the Project Team.
* Designing the Android application itself as well as the GUI, creating locations to house the results received by the transmitting G4 Totalflow device. (Estimated Time to Complete: 3.5 weeks.)

**Blaine Tiernan**

* Revised Risk Assessment Document. (Added 3 Risks)
* Revised Gantt chart with current pace.
* Preparing Gate 2 Presentation for the week of 6/16/13.

Recent and Upcoming Milestones:

* Deliverables for Gate 2 were compiled and passed review, with a temporary exception of the TRS. A meeting time for the Gate presentation may be scheduled as early as Friday June 21th.
* In preparation for Gate 3, scheduled for July 9th, the project team has been instructed to begin accumulating individual content for the Design Document, a Gate 3 deliverable. Generally, Lee is covering Bluetooth, Victoria is covering communication, and Jeff is covering the GUI. Over the next five weeks the project team will be working together to bring the product from theory to reality, and documenting every step of the way.

Gantt Chart w/ Action Items:

**Revised Gantt Chart v2.0 (6-16-2013):**

