Week of: May 20, 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 1 Week 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 | In Progress | Scheduled 1 Week Research |
| Android Constraints on Bluetooth Connectivity | 4 | 5 | 4 | **13** | 80.00% | 10.4 | Open | 1 Week 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: 2.3.3 and 4.3 |
| Bluetooth High/Low Current  Setting Doesn't Work | 1 | 2 | 1 | **4** | 70.00% | 2.8 | Open | Not Necessary to Meet Marketing Requirements |
| Assuming Only One G4 Device Per Site | 3 | 1 | 3 | **7** | 50.00% | 3.5 | Open | Discussive Research with w/ Senior Bluetooth saavy  ABB Engineers |
| 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 | This Convenience is Not  Expected to be Met by the Marketing Requirements |

Accomplishments / Work-in-Progress Activities:

**Lee Easton**

1. Researched anything Bluetooth related
2. Created the “Bluetooth Bible” located in office desk drawer
3. Developed sample Bluetooth template in Android SDK for testing
4. Began progress for the Technical Requirements Document
5. Met with project managers to review Technical Requirements Document
6. Created visual diagram for High-Level Architecture of the Android Application
7. Continued work on Technical Requirements Document (Estimated 90% Complete Estimated Time to Complete: 1 week.)

**Victoria Som de Cerff**

1. Acquired DB2 Register Request Protocol Example Source Code.
2. Begun porting source code over to Java. ( 10% Finished.  Estimated Time to Complete: 2 1/2 weeks.)
3. Need to figure out register signatures for the data we are collecting. (0%  Finished.  Estimated Time to Complete: 2 days.)
4. Need to work with Lee on the write/read functions over Bluetooth connection.( 0% Finished.  Estimated Time to Complete: 2 weeks.)

**Jeff Szcinski II**

1. Researching the Android Development environment (50% Finished. Estimated time to Complete: 1 Week)
2. Designing the Android application itself as well as the GUI, creating locations to house the results received by the transmitting G4 Totalflow device. (5% Finished. Estimated Time to Complete: 5 weeks.)

**Blaine Tiernan**

1. Collect Android devices of differing firmware to test with developed android software.
2. Accrue test equipment [Bluetooth dongles, Multimeter, USB adapter for ,…]
3. Obtain 2 devices for testing (50% Finished. Estimated time to Complete: 1 week.)
4. A rough draft of the Project Plan is undergoing critique (80% Finished. Estimated time to Complete: 2 weeks.)

Recent and Upcoming Milestones:

Gate 2 is expected to be met by Friday June 7th with completed and revised versions of the Project Development Plan as well as the Technical Requirements Specifications, from Blaine and Lee.

As for Jeff and Victoria, keep an eye on the Gantt chart just to make sure that we don’t fall behind schedule (I’ll attach the most recent revision in the following section.)

Gantt Chart w/ Action Items:

