**Progress – *revised June 7, Friday.***

*Finished:*

* Bluetooth connection established.
* Bluetooth Write and Read functions between devices.
* Successful build up of xFrame.
* Successful build up of xRecord.
* Able to get register data.

*In Progress:*

* Build up of xHeader.
* Running Bluetooth communications through threads.
* Changing protocol settings on G4 Device from TotalFlow[?](https://code.google.com/p/abb-interns-2013/w/edit/TotalFlow) Local to TotalFlow[?](https://code.google.com/p/abb-interns-2013/w/edit/TotalFlow) Remote.
* Decrypting event structures.
* Accessing trend data.

**Risks**

* Not all Bluetooth phones recognize G4 devices. *More likely to be a phone issue.*
* Getting trend data follows a different protocol since the data comes in packets.

## Progress - *revised June 14.*

*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[?](https://code.google.com/p/abb-interns-2013/w/edit/TotalFlow) Local to TotalFlow[?](https://code.google.com/p/abb-interns-2013/w/edit/TotalFlow) Remote.
* Setting up TCP/IP connection.
* Understanding multi-tube devices.
* Controlling error display.

Risks

* Not all Bluetooth phones recognize G4 devices.
* Might have to adjust the USB comm ports on the G4 device to initially respond remote protocol.

## Progress - *revised June 21.*

*Finished:*

* Bluetooth & TCP connection established.
* Bluetooth & TCP Write and Read functions between devices.
* Successful build up of xfProtocol.
* 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.
* Changing protocol settings on G4 Device from TotalFlow[?](https://code.google.com/p/abb-interns-2013/w/edit/TotalFlow) Local to TotalFlow[?](https://code.google.com/p/abb-interns-2013/w/edit/TotalFlow) Remote.

*In Progress:*

* Understanding multi-tube devices.
* Understanding USB Hardware packet protocol.

Risks

* Not all Bluetooth phones recognize G4 devices.
* When battery is below a certain level it closes remote communications.
* Multi tube devices.