Post-Peter Persistent Production Plan

# Subsystem Priority

Based on expected time to completion

#1 – Embedded Linux Box

#2 – Environment Logger

#3 – Platform Controller

#4 – Platform Supervisor

Note: This schedule allows for one extra week spare to be used as needed if phases need more time. It is expected that phase 2 will require this extra week.

End of phase 1 **October 7th, 2016** - All existing code brought up to group standard and repaired

* Buffer command Issue repaired
* Joystick command rate adjusted for fewer commands
* Restructure Linux command code to be more modular
* Increase command buffer robustness
* Rename incorrect variable names
* Testing based on phase 1 test plan

End of phase 2 **October 14th, 2016** - All communications working

* Wi-Fi socket established on Supervisor Platform
* Wi-Fi socket established on Embedded Linux
* Simulated comms link between EL and embedded Linux
* Expansion of RS232 protocol commands
* Testing based on phase 2 test plan

End of phase 3 **October 28th, 2016** – completion of EL

* Signal Conditioning circuits complete
* Axman communicating with onboard LCD
* LCD displays correct sensor values with correct units
* Initial demonstration of video streaming over Wi-Fi
* PID
* Testing based on phase 3 test plan
* Overflow time for not completed phase 1 and 2 items

End of phase 4 **November 4th, 2016** – Full implementation

* Demonstration of EL detection and simulated data transfer
* Robot controlled over Wi-Fi through platform supervisor
* Integration of subsystems into full system
* Full system testing based on phase 4 test plan