WARDS SNIPER UPGRADE AND ERROR CODE DEFFINITIONS

SNIPER MARK III Upgrades

August 19, 2013

1) Enhanced communication protocol with extraneous range elimination.

2) Completely new radio partnership routine.

3) INFO utility in menu for serial numbers and current radio partnership.

4) Additional error codes added to current list:

   a. No communication to display

   b. Measurement laser not responding

   c. Measurement laser having range error

   d. Laser module voltage too low (stops power to measurement laser)

   e. Display battery too low

5) Bigger distance measurement FONT on display screen.

6) Boot load utility for firmware upgrades, THIS IS FOR IN THE FIELD FIXES IF NEEDED.

Upgrade Procedure (IN SHOP)

1) 　　Completely disassemble the laser module.
2) 　　Connect the base MK 3 to a laptop and determine the firmware
　　　　version.
3) 　　 If the firmware is 1.14-48, then it is good to
　　　　 go.
4) 　　Install front face onto MK 3.
5) 　　Install the new laser PCB on the MK 3.
6) 　　Place the new radio on the board and secure in place.
7) 　　Install laser pointer again and attach back panel (all rewired).
8) 　　Load new laser firmware and set the serial number and write
　　　　the settings to the radio.
9) 　　Install into enclosure and test.
10) 　　Open display module and rewire battery and port.
11) 　　Replace display PCB with new PCB.
12) 　　Load the new display firmware.
13) 　　New radio is inserted.
14) 　　Display module is put back together.
15) 　　Final QA involves cabled operation, pairing and wireless operation for 72 hours.
16) 　　Put new serial labels on display and laser module. Also add laser
　　　　 warning sticker to laser module and CE, FCC certifications.