



DF2020 Meeting: September 2, 2008 8:30 AM – 12:00 PM

Location: Kennewick Office

**Attendees:** Alan Brower, Darren Chase, Troy Humphrey, Scott Livingston & Jenn Nighbor

**Absent:** Don Warf

**Recorded by:** Jenn Nighbor

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**Agenda Item:**

1. Overall DF 2020 review and handouts review
2. Hands-on demonstration
3. Create list of modifications/additions

Reader will read tags well, very well.

Reader is very menu driven and you have to remember where you are.

Plus – Has a back button so you don't have to go back to the main menu.

**Demonstration of Reader:**

- Very quiet. No noise when no tags in the field.
- 3 pots to calibrate.
- Need to take a scope for GMCs or use the "buzzer".
- Problem with labeling, "01" becomes "001".
- Tuning Cap Value = 0-63 and we would want to keep it around 30.
- Was not able to tune to 26x26 shielded antenna.
- Would have to re-wrap antennas or add capacitors to make reader work.
  - o Roger is working on a fix.
- Can store tags with time stamps, will hold 15, 600 tags.
- Problem: Filed stopped at 15, 000 tags but tag counted had counted approximately 29,000 tags.
  - o File does not overwrite.
- Auto-Tune: It will tune and stop detecting tags until tuning is complete.

Darren's recommendation – Not for Juvenile use.

**Reviewed Menu Tree (Handout)**

- Status – Read only, tells you what setting are determined.
- Sync Modes – We use Secondary Master
- It will create a file, first in first out.
  - o May be handy to have multiple files. The file is the buffer.
- Reviewed File creation on reader
  - o Do get a date and time stamp
  - o If battery dies, it will revert to 01.01.2000

**Reviewed Diagnostic Command Set Comparison (Handout)**

Discussed what commands are wanted and what key words are triggers for Doug.

- Darren – Validate phase and current
- Darren – Verify default setting.

### **Modification Wish List**

- Timer Tag to fire when reader goes from stand-by to scan.
- Enter button in the center.
- Program Transceiver ID in non-volatile RAM from the front panel
  - Question: Is it flashable with VB Flash?
- Advanced Menu under the main menu – unhide.
- Remove - Toggle Mode
- Remove - Master FDXB Act Time
- Continuous Mode only default operation
- Add - Reader Startup Delay
- Remove – Shutdown Delay
- Current Alarm threshold

### **Programming GUI**

- Set current date and Time (Add to DF 2020 Command Set)

### **Menu Changes**

- Tag Selection – would like to be always on.
- Display T.T. – would like to be always on.
- Tag cntr enbl – would like to be always on.
- Remove - Site ID
- Continuous Tuning – not sure about this one.
- RD LED Act Time – Change time on how long.
- Remove – NEDAP
- Remove - Stand Alone
- Remove - Master
- Remove - Toggle Mode
- Remove - Shutdown Delay
- Remove – Master FDXB Act Time

### **Firmware**

- Hard code PTAGIS defaults
  - Report delay to 180 minutes

Meeting adjourned at 12:00 PM.