

2017 BP MS150

APRS Tracker Setup Standards

All APRS stations operating during the BP MS150 should follow the standards outlined below. This is to insure all beacons are properly digi'ed and identified. It is a 5 step process to properly setup your APRS Tracker.

1. FREQUENCY **144.390 MHz** (simplex)

2. STATION ID / CALL SIGN

Set the call sign of your station to either your tactical call (see chart below) **OR** your FCC Amateur Radio call sign with an SSID of 1-15. Your call should be no longer than 6 characters per the Packet Radio standard. If you select an SSID greater than 15 your station may not be digi'ed.

CHOOSE ONE OF THE FOLLOWING	
USING YOUR TACTICAL CALL	USING YOUR FCC RADIO CALL SIGN
_ _ _ _ _ (6 Characters Max) Example: MSAG23 - See Below Chart	_ _ _ _ _ - ## (6 Characters Max + Number 01-15) Example: NOXFD-15 or NOXFD-03

If using FCC Call Sign PLEASE e-mail aprs@bpms150hams.org your selected call sign + ssid and assignment

IF USING TACTICAL CALL SIGN – USE THESE NAMING STANDARDS		
APRS Tactical Call	Symbol Character	Asset Reference
MSAG##	v (Van)	SAG Van ##
MBOX##	U (Bus)	SAG Box Truck ##
MSUP##	u (Truck 18wh)	Supply Truck ##
MMOT##	< (Motorcycle)	Motorcycle Marshall ##
MMED##	A (Ambulance)	Medical Rover ##
MCOM##	k (Truck)	Com Support ##
MTOU##	> (Car)	Tour Vehicle ##
MRM### (bib #)	b (Bike)	Ride Marshal ###
## = Your Vehicle # 01-99		NOTE - all symbols above use the Primary "/" table)

*NOTE the use of '0' BEFORE numbers less than 10 – This is Important

*Even if you are using your FCC Callsign as the APRS ID – Please use the symbols listed above

3. DIGI PATH / UNPROTO ADDRESS

The digi path or unproto address (it depends on the tracker being used as to what it is called) dictates how many hops your beacon will make. The APRS coverage along the entire route is good so no more than 2 hops is needed. Use the following path in your tracker settings:

WIDE1-1,WIDE2-1

NOTE: If you are using UI-View32 then your 'Unproto address' is "APRS,WIDE1-1,WIDE2-1"

4. TRANSMIT RATE

The transmit rate dictates how often your station beacons. Please set it to no less than 150 seconds. If your equipment does smart beaconing then the speed for the fastest time should be 150 seconds.

150 Seconds

5. STATUS TEXT

The status text on your tracker should contain your FCC call sign if you are using a tactical call sign for your tracker's ID. This is to comply with your FCC station ID requirements.

Example: "NOXFD Charlie – BP MS150 MBOX 10"

NOTE: Change "NOXFD" to YOUR FCC Call Sign