Implementing Unique NYSP Signaling in the VMDE-200

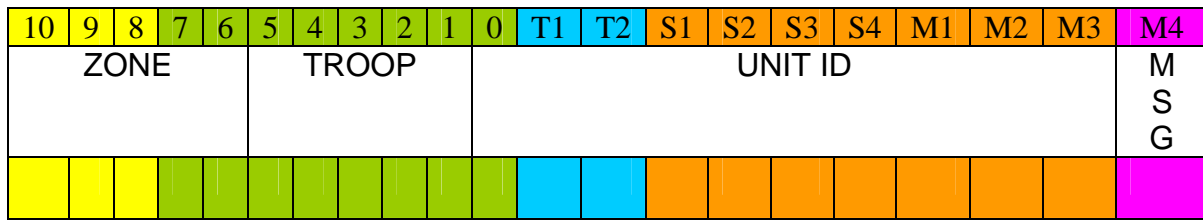| 10	9	8	7	6	5	4	3	2	1	0	T1	T2	S1	S2	S3	S4	M1	M2	M3	M4
ZONE			TROOP								UNIT ID									M S G

Figure 1

0x0D	7	6	5	4	3	2	1	0	HEX
0d									
0x0E	T1	T2	0	0	0	10	9	8	
0e			0	0	0				
0x0F	S1	S2	S3	S4	M1	M2	M3	M4	
0f									

Figure 2

Alpha definitions from bit patterns

0	00000	B	01011	M	10110
1	00001	C	01100	N	10111
2	00010	D	01101	V	11000
3	00011	E	01110	P	11001
4	00100	F	01111	Q	11010
5	00101	G	10000	R	11011
6	00110	H	10001	S	11100
7	00111	I	10010	T	11101
8	01000	J	10011	X	11110
9	01001	K	10100	Z	11111
A	01010	L	10101		

Table 1

Using the template in Figure 1, enter the desired zone and troop in binary per table 1. Then convert the desired decimal unit ID into binary and enter that – right justified – into the template. The MSG slot of Figure 1 should be a 0 (zero) for PTT ANI and a 1 (one) for Emergency.

Move the information from Figure 1 into Figure 2 maintaining the associated locations that are color coded and labeled (7 to 7, T1 to T1, M2 to M2, etc).

Take the binary value that is in Figure 2 register 0x0D and convert it into Hex. Do the same for registers 0x0E and 0x0F. If the resultant value is only one digit, add a zero to the left of the single digit (e.g. 00001111 becomes F becomes 0F).

Start the CE-73 software and enter the desired parameters except ID. Now press <shift> <F9> and a table will appear:

File Data																
	00	01	02	03	04	05	06	07	08	09	0a	0b	0c	0d	0e	0f
00000h	00	00	00	05	1e	00	05	0a	3c	01	2d	20	01	0f	87	01
00010h	0f	87	09	0f	87	07	0f	87	0f	00	00	12	34	80	01	12
00020h	34	80	00	02	02	05	11	23	40	00	05	71	23	40	00	05
00030h	71	23	40	00	55	05	05	05	0a	00	00	00	00	00		

OK

Insert the hex information 0x0D, 0x0E and 0x0F into the yellow highlighted cells labeled 0d, 0e, 0f in row 00000h. *[To edit the current information, double click on the cell and type over the highlighted information]* Then insert the hex information 0x0D into 03 row 00010h (cells are blue highlighted), 0x0E into 04 row 00010h. Add one to the value 0x0F and enter it into 05 row 00010h (e.g. if the value for 0x0F is 22, enter 23 into position 05 row 00010h). Close the window and then program the board using the "download" button.