END-USER RADIO, TALK GROUP AND ENCRYPTION UPDATE

NEW END USER RADIOS

- New XL Series Portable Radios Available Under the WCRCS P25 System Contract
  - Expanded digital communications capabilities, BeON, WiFi and LTE
  - Up to four Pages (64 talk groups) directly selectable from the top of the radio
  - Color coding and/or voice annunciation available all talk groups

RADIO TALK GROUP LAYOUT CHANGES

EXAMPLE XL PORTABLE RADIO BLOCK

Ch	Patrol	Ch	Page 2	Ch	Detention	Ch	Interop
1	WC GREEN	17	WC GREEN	33	WC DETEN	49	WC GREEN
2	WC WHITE	18	WC YEL	34	WC COURT	50	WC WHITE
3	WC YEL	19	RP GREEN	35	WC TRSPT	51	WC YEL
4	WC GOLD	20	RP YEL	36	WC DRT1	52	WC GOLD
5	WC TAC 1	21	SP MAIN1	37	WC DRT2	53	WC TAC 1
6	WC TAC 2	22	SP MAIN2	38	--------	54	WC TAC 2
7	RP GREEN	23	UN TAC 1	39	--------	55	RP GREEN
8	RP YEL	24	UN TAC 2	40	WC RED	56	RP YEL
9	PS SHARE	25	WS NORTH	41	WC BLUE	57	PS SHARE
10	SP MAIN1	26	AP MAIN	42	--------	58	RP BROWN
11	WC SWAT1	27	HP RN D1	43	--------	59	SP MAIN1
12	WC HSTG	28	REMSA1	44	SP EVNT1	60	SP TAC1
13	WC ADMIN	29	PS EVNT1	45	W1 WCRCS	61	SP MAIN2
14	PS FIRE1	30	PS EVNT2	46	W2 WCRCS	62	PS FIRE1
15	PS LE 2	31	PS EVNT3	47	W3 WCRCS	63	PS LE 2
16	PS LE 1	32	PS EVNT4	48	W4 WCRCS	64	PS LE 1

IMPROVEMENTS IN RADIO CAPABILITIES AND REDUCTION IN THE NUMBER OF PERSONALITIES

- Reducing talk group duplication across larger 64 channel blocks will allow faster channel access in changing situations.

- Blocks can be mission specific

- Reduction of the number of personalities, currently over 800

- Goal: to reduce portable and mobile personalities per agency

- Group Access to be controlled through per channel encryption key management using Over The Air Re-Keying (OTAR)

TACTICAL ENCRYPTION CHANNELS

- New interoperable encrypted tactical channels available now for special incidents
  - PS ETAC1 and PS ETAC2 deployed and available for special operations groups to coordinate
  - PS ETAC3 and PS ETAC4 to be released soon

- Expanded use of encryption
  - All new public safety radios required to have AES encryption, P25 Phase 2 capability and OTAR (highly recommended for non-public safety)

Questions?