# San Francisco Fire Department Division of Training

**Training Bulletin 18-2** 



# **Portable Radio Training**

June 2018

#### TRAINING GUIDE

# PORTABLE RADIOS

SAN FRANCISCO FIRE DEPARTMENT



From Left to Right

Medic Radio APX 6000
Specialty Radio APX 7000XE
Command Radio APX 8000XE
Suppression Radio APX 6000XE

## **Training Bulletin**

### **SFFD Portable Radios**

On June 19, 2018 the SFFD will update all portable radios with a new "code plug." (The code plug is the programming in the radio which identifies talk groups and their zone and channel.) In addition, new command portable radios will be issued to Battalion and Division Chiefs. There will be several changes with this update that will affect navigation and operation of the radio. ALL MEMBERS must review and become familiar with this training material to ensure the ability to properly use the portable radios after this update. Some of the major changes include:

- New names based on function for both the zones and channels.
  - o The A zone is named FD OPS 1, B zone is named BART/MED, etc.
  - The A bank channels were named A1-A16. New names on the A bank are Control 1, Command 5, TAC 8, etc.
  - A4 has been named Dispatch 4. This channel will be dormant at this time but will be utilized as an outgoing dispatch channel in the future
- Addition of the BART TAC Channels B Bank (BART/MED Zone)
  - B1-6 are 3 PAIRED channels BART Primary, BART Secondary, and BART Command – Each pair is permanently patched and does not require any activation at radio to be utilized
  - SFFD BART TAC Channels will be assigned by CAD instead of a Battalion Based TAC Channel. Example: a BART Box at 24<sup>th</sup> St. Station will not be assigned TAC 16, BART Primary will be assigned.
  - THE EMERGENCY BUTTON DOES NOT FUNCTION ON BART TAC CHANNELS
    - (Does not function on C-7 patch either, no operational change)
      - All other channels in B Bank do have Emergency Function
  - When Command Channels are requested for a BART incident, BART Command will be assigned regardless of which Division is requesting.
  - o Initially, SFFD BART TAC Channels will not be available on apparatus
    - Installs for new Mobile Radios expected to commence in June 2018.
  - SFFD BART TAC Channels are different from the BART INTEROP ZONE. SFFD
    BART TAC Channels are for use in BART incidents within the city of San Francisco.
    BART INTEROP channels are for use by all Bay Area Agencies for multi-agency
    operations anywhere on the BART system.

- 2 Back up systems for use in failure of the A Bank 800mHz System located in the C Bank (FD Ops 2 Zone)
- 10 direct TAC channels, corresponding to Battalions in the C Bank (FD OPS 2 Zone, Ch 7-16)
- Addition of all SFO Talkgroups in the D Zone.
  - Units will be able to directly use SFO talkgroups when responding to an SFO incident
  - Dispatch procedures will not change, a Battalion based TAC channel will be assigned for travel and units will receive directions from the staging manager on their assigned talkgroup

#### Addition of multiple Interop zones

- o Interop zones are designed for response into neighboring counties for mutual aid
- The zones are in place, but the talkgroups WILL NOT WORK at this time and are dormant
- BART has an Interop zone designed for multi-agency incidents, Labeled BART I/O
  - SFFD BART TAC Channels are NOT in the BART I/O Zone
  - SFFD BART TAC Channels are in the B Zone, for use in San Francisco only
  - BART INTEROP Channels are in the BART I/O Zone, and are for use by all Bay area agencies, anywhere on the BART system, for multi-agency responses

#### Addition of a Hospital zone

- o This zone is NOT ACTIVE at this time.
- At the Digital Cutover in 2019, this zone will be activated and units will have separate talkgroups for EACH hospital in the system, allowing calls to different hospitals to happen simultaneously
- Until the 2019 digital cutover, units WILL CONTINUE to notify hospitals on B13, and B14 for SFGH

#### Addition of a Training Zone

- o In 2019, the system will be cut over to digital only
- Many governments have reported difficulties at cutover due to the difference in the sound of digital
- The training zone mirrors the FD Ops 1 Zone. It is intended to be used by companies during drills, thus allowing members to get accustomed to the difference in sound.
- o IN SERVICE operations CAN NOT be conducted on this zone.
- The channels are labeled similar to the FD OPS 1 Zone. Each channel has a T at the beginning and the voice announcement states "Training" before announcing the channel. Ex. T-CTRL1, announced "Training Control 1"

#### Additional notes

- Units may switch from direct to repeat in the C zone. The top side button which controls the light will function to switch between repeat and direct in the C zone ONLY
- o The Emergency button will have NO OTHER function than emergency
- On June 12, Battalion chiefs will be issued new command radios that will include multiple VHF zones (Kenwood Channels)

# SUPPRESSION RADIO APX 6000XE

	16-Position Select Knob	LED		ZONE	<b>ZONE NAME</b>	
₹ 				Α	FD OPS	
3-Position A/B/C			Emergency	В	BART/MED	
Switch	. But		Button	С	FDOPS2	
E				D	AIRPORT	
On/Off/Volume Control Knob				E	<b>EVENTS</b>	
	FD OF	PS 1		F	SAN FRAN	
Emergency				G	BART I/O	
Button	Light		Antenna Socket	Н	SANMATEO	
Values		Top Display	1	EAST BAY		
Volume		ssion Radio	J	SOUTHBAY		
	RED= Emergency	is for Firefighters.		K	700TACS1	
	Light			L	700TACS2	
	ON/OFF	designed fo		M	HOSPITAL (Testi	ng)
		firefighting	operations	N	TRAINING	

Push-to-Talk (PTT) Button

Microphone

Voice Announcement

Belt Clip Slot

Top Side Button -Short Press Light -Long Press Screen Flip

The Top Side Button controls the <u>Top</u>
<u>Display</u>; a Short Press turns on the LED light; a Long Press will flip the orientation of the text on the <u>Top Display</u>.

Push-to-Talk (PTT) Button

Zone Up Button

Zone Down Button

Battery

Battery Latch

## **MEDIC RADIO APX 6000**

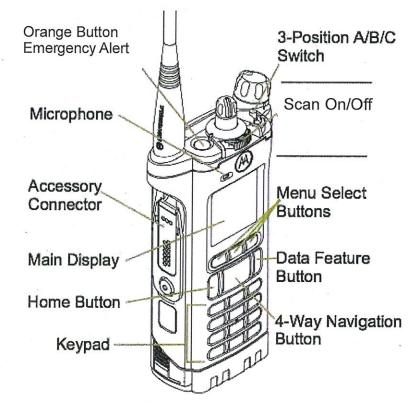
ZONE	ZONE NAME
Α	FD OPS
В	BART/MED
С	FD OPS2
D	AIRPORT
E	EVENTS
F ·	SANFRAN
G	BART I/O
Н	SANMATEO
1	EAST BAY
J	SOUTHBAY
K	700TACS1
L	700TACS2
M	HOSPITAL (NotActive)
N	TRAINING

## **Hospital Paging**

- Select a Talk-Group that allows paging (Ex. B13)
- Use the Menu Select Buttons to choose Page from the Main Display
- Use the 4 Way Navigation Button to select Hospital then Select Page

### **FEATURES**

The APX 6000 Model 3 is used on all Ambulances; it is distinguished by its Front Panel Display, Keypad and Black Color with Red Sides. It has all of the features and functions of the Suppression Radio with the added ability to page Hospitals. The Main Display can be used to assist in selecting Zones and Channels.



BUTTON	FUNCTION	BUTTON	FUNCTION
Top (Orange) Button	Emergency Button	3 Position A/B/C Switch	Zone/Bank Select
2-Position Concentric Switch	Scan On/Off	Menu Select Buttons	Select Menu from Display
Home Button	Return to Main Screen	Data Feature Button	Not Used
4-Way Navigation Button	Select Items on Main Display	Keypad	Used for paging

# MEDIC RADIO

## FRONT PANEL DISPLAY

The main difference between the Suppression Radio and the Ambulance Radio is the Front Panel Display. The Display is used to page Hospitals, present information and to assist in selection of Functions, Zones and Talk-groups.

### Main Display

Displays context specific information that can be accessed using the Menu Select Buttons and the 4-way Navigation Button.

Note: when used to change Zones/ Talk-groups you can return to the A bank by using the ABC switch.

SCREEN Default Zone Select Page

DISPLAY Zone; TG; ID Zones Hospital; Radio ID

MENU Zone Mute Sel

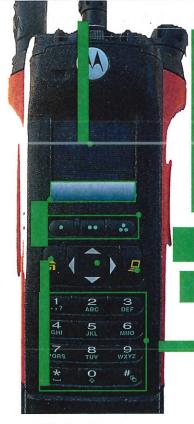
Exit

Page

**FUNCTION** Zone Select Access Silences Radio Selects Item To Previous Screen To Paging Screen

### **Home Button**

Returns you to the default screen



## **Main Screen Lighting Indicators**

#### **Menu Select Buttons**

Allow access to Menu Entries on the Main Display. Press the Button directly below the Menu Item for 1.5 seconds to access the feature. Menu items are context specific

#### 4-way Navigation Button

Use this button to scroll up, down, left or right. Press (1.5 seconds) and release to scroll from one entry to the next one. Press and hold (3 seconds) one of the button to have the radio toggle through the list automatically (release the button to stop).

#### **Data Button**

Disabled; used for programming radios

#### Keypad

Use these buttons to dial numbers for paging; local hospitals are preprogrammed into the radio.



#### **ORANGE**

Initiated an Emergency Alarm

Receives an Emergency Alarm Out of Range

#### RED

Radio unable to connect to System

Radio in FailSoft Mode

Battery is low

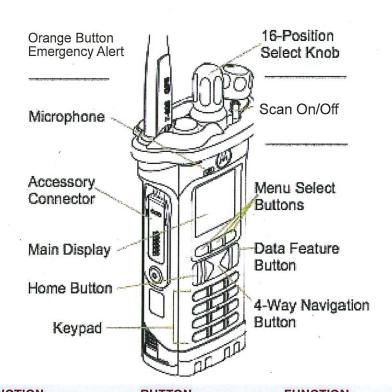


## COMMAND RADIO APX 8000XE

ZONE	NAME	ZONE	NAME
Α	FD OPS 1	AA	SJS/SCC
В	BART/MED	AB	XCC
С	FD OPS 2	AC	OES/VTAC
D	AIRPORT	AD	SF HAM 1
E	EVENTS	AE	SF HAM 2
F	SAN FRAN	AF	CDF CMD
G	BART IO	AG	CDFL1
Н	SANMATEO	AH	CDFL2
1	EAST BAY	Al	CDF TAC
J	SOUTHBAY	AJ	CDF T/FS
K	700 TACS1	AK	FS/NIFC
L	700 TACS2	AL	NIFC CMD
M	SFPD A	AM	BLM/AIR
N	SHERIFF	AN	AIR TAC
0	DPH	AO	SOCAL
P	DEM	AP	HOSPITAL
Q	DPT	AQ	VFIRE
R	HSA/ACC	AR	SM SOUTH
S	DPW	AS	SM CENT
Т	RECP/LIB	AT	SMCOAST
U	SCHOOLS	AU	SM NORTH
V	DT	AV	USCG
W	PUC/PORT	AW	SURF/OES
X	DBI/R.E.	AX	TRAINING
Υ	CDF - CZU		
Z	CNT/XSC		

#### **FEATURES**

The APX 8000XE Model 3 is used by Command Officers in Suppression; it is distinguished by its Front Panel Display, Keypad and Green color. It has all of the features and functions of the Suppression Radio with the added ability to access VHF Channels (used for Coast Guard, San Mateo County and other mutual aide channels). It is programmed with many more Talkgroups and channels to assist with unified command.



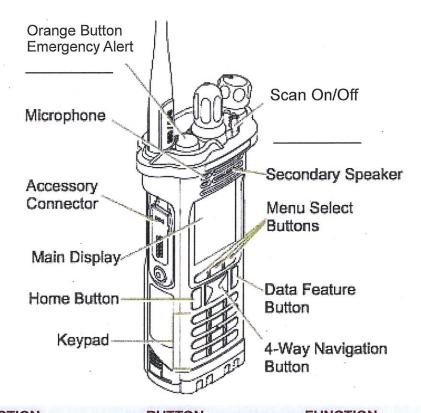
BUTTON	FUNCTION	BUTTON	FUNCTION
Top (Orange) Button	Emergency Button	3 Position A/B/C Switch	Zone/Bank Select
2-Position Concentric Switch	Scan On/Off	Menu Select Buttons	Select Menu from Display
Home Button	Return to Main Screen	Data Feature Button	Not Used
4-Way Navigation Button	Select Items on Main Display	Keypad	Used for paging

# SPECIALTY RADIO APX 7000XE

ZONE	NAME	ZONE	NAME	
Α	FD OPS 1	Т	CDF CMD	
В	BART/MED	U	CDF L 1	
C	FD OPS 2	V	CDFL2	
D	AIRPORT	W	CDF TAC	
E	EVENTS	X	CDFT/FS	
F	SAN FRAN	Y	FS/NIFC	
G	BART IO	Z	NIFC CMD	
Н	SANMATEO	AA	BLM/AIR	
1	EAST BAY	AB	AIR TAC	
J	SOUTHBAY	AC	SOCAL	
K	700 TACS1	AD	HOSPITAL	
L	700 TACS2	AE	VFIRE	
M	CDF - CZU	AF	SM SOUTH	
N	CNT/XSC	AG	SM CENT	
0	SJS/SCC	AO	SM COAST	
Р	XCC	AP	SM NORTH	
Q	OES/VTAC	AQ	USCG	
R	SF HAM 1	AR	SURF/OES	
S	SF HAM 2	AS	TRAINING	

#### **FEATURES**

The APX 7000XE Model 3 is used by Specialty units in Suppression; it is distinguished by its Front Panel Display, Keypad and Green color. It has all of the features and functions of the Suppression Radio with the added ability to access VHF Channels (used for Coast Guard, San Mateo County and other mutual aide channels). It is deployed on the Surf and Cliff rescue units and some Engines on the border of San Mateo County



BUTTON	FUNCTION	BUTTON	FUNCTION	
Top (Orange) Button	Emergency Button	3 Position A/B/C Switch	Zone/Bank Select	
2-Position Concentric Switch	Scan On/Off	Menu Select Buttons	Select Menu from Display	
Home Button	Return to Main Screen	Data Feature Button	Not Used	

4-Way Navigation Button Select Items on Main Display

Keypad Used for paging

# **COMMAND & SPECIALTY RADIO** FRONT PANEL DISPLAY

The main difference between the Suppression Radio and the Command Radio is the Front Panel Display. The Display is used to page Hospitals, present information, create custom scan lists and to assist in selection of Functions, Zones and Talk-groups.

## Main Display

Displays context specific information that can be accessed using the Menu Select Buttons and the 4-way Navigation Button.

Note: when used to change Zones/ Talk-groups you can return to the A bank by using the ABC switch.

#### SCREEN

Default Zone Select Page

ScanL

MENU

Zone Mute

Sel Exit Page Rcl

DISPLAY

Zone; TG; ID Zones

Hospital; Radio ID

#### Edit Scan FUNCTION \*

Zone Select Access Silences Radio Selects Item To Previous Screen To Paging Screen

Cycles Scan List

Alarm

## **Home Button**

Returns you to the default screen



## Main Screen **Lighting Indicators**

## **Menu Select Buttons**

Allow access to Menu Entries on the Main Display. Press the Button directly below the Menu Item for 1.5 seconds to access he feature. Menu items are context specific

### 4-way Navigation Button

Use this button to scroll up, down, left or right. Press (1.5 seconds) and release to scroll from one entry to the next one. Press and hold (3 seconds) one of the button to have the radio toggle through the list automatically (release the button to stop).

### **Data Button**

Disabled; used for programming radios

## Keypad

Use these buttons to dial numbers for paging; local hospitals are preprogrammed into the radio.



Initiated an Emergency

Receives an Emergency Alarm Out of Range

#### RED

**Battery** is low

Radio in FailSoft Mode

Radio unable to connect to System





# OPERATIONS ZONES (A&CZONES)

## 800MHz / Trunked

#### **HOW TRUNKING WORKS**

- Signal is transmitted to a control station.
- The control station chooses an available frequency and sends it to all receiving radios on same talk-group
- ♦ Works similar to a cell phone
- ♦ There is no portable to portable communication.
- ♦ All radio traffic is repeated





## SFFD OPERATIONS A-BANK

- A1, A2 and A3 are Control Talk-groups for information to and from Radio
- A4, when active, will be for Dispatch and is receive only
- A5 and A6 are for Command at major incidents and boxes
- A7-A16 are geographically assigned Tactical Talk-groups (TAC)

## SFFD OPERATIONS C-BANK

- C1-C6 are back-up Radio Systems
- C1, C4 for Dispatch; C2, C5 for Control, C3, C6 for Command
- C7 through C16 are Tactical Direct Channels
- Each Direct Tactical Channel is associated with an A bank TAC with the same number, i.e. TAC 12 (A12)to TAC 12D (C12, Pronounced TAC 12 Direct)
- Emergency button does not work on direct channels!

FD OPS 1
A1-CTRL 1
A2-CTRL 2
A3-CTRL 3
A4-DSPTCH 4
A5-CMD 5
A6-CMD 6
A7-TAC 7
A8-TAC 8
A9-TAC 9
A10-TAC 10
A11-TAC 11
A12-TAC 12
A13-TAC 13
A14-TAC 14
A15-TAC 15
A16-TAC 16

FD OPS 2 C1-BU DISP C2-BU CTRL C3-BU CMD C4-BU2 DISP C5-BU2 CTRL C6-BU2 CMD C7-TAC 7D C8-TAC 8D C9-TAC 9D C10-TAC 10D C11-TAC 11D C12-TAC 12D C13-TAC 13D C14-TAC 14D C15-TAC 15D C16-TAC 16D

# SFFD BART/MED ZONE (B ZONE)









B1-PRI BLW (Underground) B2-PRI ABV (Street Level)

**B3-SEC BLW (Underground)** 

B4-SEC ABV (Street Level)

B5-CMD (Underground)

B6-CMD (Street Level) B7-CAFIRE1 (Old C7)

B8-FD DIR1

B9-FD DIR2

B10-HOT

B11-MGS (Medical Group Sup.)

B12-Triage

B13-Treat (Treatment/Hosp)

B14-SFGH

**B15-Transport** 

B16-Medical Dispatch

#### **New BART Communications Plan:**

- Located on the B Bank of Suppression Radios
- Digital P25 Harris system connected to City's radio system using ISSI technology; always on and always patched
- The Emergency Button does not work on BART Talk-groups at this time
- Underground Talk-groups (B1, B3, B5) work on Platform and Mezzanine levels; Above-ground Talk-groups (B2, B4, B6) work on street level
- B1 is connected to B2 and is the Primary TAC during a fire incident;
   During Medical calls it is monitored by Radio and can be used as a Control Channel.
- · B3 is connected to B4 and is Secondary TAC
- · B5 is connected to B6 and is Command
- B7 is the old C7, CAFIRE1 and is for back-up
- B8 and B9 are Direct Channels (old C14 and C15).







B1-PRI BLW (Underground)
B2-PRI ABV (Street Level)
B3-SEC BLW (Underground)
B4-SEC ABV (Street Level)
B5-CMD (Underground)
B6-CMD (Street Level)
B7-CAFIRE1 (Old C7)
B8-FD DIR1
B9-FD DIR2
B10-HOT
B11-MGS (Medical Group Sup.)

B14-SFGH B15-Transport B16-Medical Dispatch

**B13-Treat(Treatment/Hosp)** 

**B12-Triage** 



#### New MEDICAL Communications Plan:

- Located on the B Bank of Suppression Radios, B10 through B16
- B10 is encrypted and allows direct communication to HOT for descriptions and medical conditions
- B11 is the Medical Group Supervisor Talk-group, used at major incidents
- B12 is for the Triage Group during a MCI
- B13 is an encrypted Talk-group used for field to Hospital communications; it also can be used for the Treatment Group at a large MCI
- B14 is for field to SFGH communications and is also encrypted
- B15 is the Transport Talk-group and is used by Radio for hospital destinations during an MCI
- B16 is used as today for Medical dispatching and posting location moves.

#### MCI Communications

- B11 through B16 Talk-groups are pre-designated to be used by the Medical Group at a MCI
- First arriving Companies shall start communications at a MCI by using the designated TAC
- The IC and MGS will use Medical Talk-groups as necessary
- B13 will be dual-use, during a MCI it can be used for the Treatment Group; day to day it is the Hospital Talk-group for Transport (Hospital Zone will replace soon)

# SFFD AIRPORT ZONE (D ZONE)

**AIRPORT** D1-SFODSP **D2-SFO TAC** D3-SFO MED **D4-SFO ARFF** D5-FD 5 D6-FD6 D7-FD7 D8-SFOICS D9-SM RED **D10-SM MCI 1 D11-SM MCI 2** D12-SM SFGH D13-SFO-FDM D14-FD DIR1 D15-FD DIR2 D16-PS DIR

When responding to an incident at SFO members can listen to the radio traffic at the Airport anywhere in the City. After Asiana engineers programmed the City radio system to simulcast the Airports radio system into the City. The inverse is not true though; City Talkgroups do not work at the airport. All operations at SFO will be on Talk-groups in the Airport Zone.



#### SFO OPERATIONS D-BANK

- •The SFO-Airport Talk-groups are located in the D bank; one zone down from C
- •While on the C Bank press and hold the Zone Down Button
- •The SFO Firefighters' radios have the exact same Zone but it is located on their A Bank. The City's Operations Zone is located on their D Bank
- · D1 is the Control Channel for SFO
- D2 is the main TAC, most operations will be on this Talk-group
- · D3 is for Medical operations
- D4 is set aside for ARFF operations
- D5, D6, and D7 are extra TACS
- D9-D12 are for San Mateo County Medical operations
- D13 is a FD Admin/EOC Talk-group
- D14-16 are direct channels (C14-16 Today, 16 is shared with Police)



The Zone Down
Button must be held

down for 1.5 seconds before it will operate. The SFO Zone is located one Zone

below the C Bank.

To get back to the A bank just use the

ABC switch to return.

## EVENT/ADMINISTRATION ZONE (E ZONE)







## **EVENT/ADMIN E-BANK**

- The Event/Admin Talk-groups are located in the E Bank; two zones down from C
- While on the C Bank press and hold the Zone Down Button and go down two Zones
- Event 1, 2 and 3 (E1, 2, and 3) are on all City radios and allow interoperable communications
- Safety Event 4, 5, and 6 (E4, 5, and 6) are on all Public Safety Department radios and are used for Unified Command with SFPD
- •These Talk-groups can be patched by Radio on an IC's orders to Operation Talk-groups
- •E7 is un-programmed, E11 is the PDs A11 used for City wide Police communications
- •E8-10 and E12 are used for FD Non-suppression communications
- •E13 and 14 CAFIRE 1 and 2 are for Intracity interoperability; an IC can ask Radio to turn on the repeater located on Twin Peaks.
- •E15 and 16 are Talk-groups for the City's Emergency Operations Center



The Zone Down
Button must be held
down for 1.5 seconds
before it will operate.
The Event/Admin
Zone is located two
below the C Bank.

To get back to the A bank just use the ABC switch to return.

#### **EVENTS**

E1-Event 1

E2-Event 2

E3-Event 3

**E4-Safety Event 1** 

E5-Safety Event 2

E6-Safety Event 3

E7-Arson

**E8-Prevention** 

E9-AWSS

**E10-Equipment** 

**E11-SFPD A11** 

E12-Training

E13-CAFIRE 1

E14-CAFIRE 2

E15-EOC 1

E16-EOC2

# SAN FRANCISCO INTEROP (FZONE)



Zone Down Button

The Zone Down
Button must be held
down for 1.5 seconds
before it will operate.
The SAN FRAN
Zone is located three
below the C Bank.
To get back to the A
bank just use the

ABC switch to

return.

### SAN FRANCISCO INTEROP ZONE

- The San Francisco Interop Talk-groups are located in the F Bank; three zones down from C
- While on the C Bank press and hold the Zone Down Button and go down three Zones
- F1 is for mutual aide companies responding to the City to contact the Dispatch Center
- F2-F6 are used by mutual aide companies responding to the City for communications.
- These Talk-groups can be patched by Radio on an IC's orders to Operation Talk-groups
- F7-F9 are for operations at SFO
- F10 is CALAW9 which is on police radios throughout the state
- F11-F14 and F16 are the 8 TAC 90 Channels used for mutual aide throughout the state. Mutual aide companies from outside the Bay Area could use these channels
- F15 is not programmed
- The
   Emergency
   Button does
   not work on
   Interop Zones

SANFRAN F1-CALLING F2-INTEROP1 F3-INTEROP2 F4-INTEROP3 F5-INTEROP4 F6-INTEROP5 F7-SFO INT1 F8-SFO INT2 F9-SFO INT3 F10-CALAW9 F11-8TAC91 F12-8TAC92 F13-8TAC93 F14-8TAC94 F15-UNPROG F16-8CALL90



## INTEROPERABILITY ZONES (G-L ZONES)



- Announced by Mayors Newsom, Dellums, and Reed on September 11, 2007
- Collaboration with all 10 Bay Area Counties
- Multi-discipline participation, including
  - ✓ Law Enforcement
  - √ Fire
  - ✓ Emergency Services
  - ✓ Emergency Medical Services
  - ✓ Public Health
  - ✓ Transit Agencies
  - ✓ Critical Infrastructure Entities (Schools, Ports, Bridges)



SEARCH, The National Consortium for Justice Information and Statistics

INTEROP G BART I/O

13

**H SAN MATEO** I EAST BAY J SOUTH BAY

#### TALK-GROUPS

- CALLING
- INTEROP1 3.
- INTEROP2 4. INTEROP3
- 5. INTEROP4
- INTEROP5

**K 700 TACS1** L 700 TACS2

## Interoperability Zones

- Designed for Bay Area Emergency Responders to have Radio Communications in other jurisdictions
- Can be Patched by regional Communications Centers to allow outside agencies to communicate with local Emergency Responders. Used in SF to talk to units coming into the City
- Was used during the Super Bowl to allow the FBI, Coast

Guard ETC, to communicate with SFFD and SFPD

When using the IC should make contact with the local Comm.

Center on the Calling Talk-group and get assigned Interop

- 700 TACS are used in the North Bay and need to be turned on for use by calling the Comm. Center
- Still in different stages of roll-out
- •The Emergency Button does not work on Interop Zones

The Zone Down Button must be held down for 1.5 seconds before it will operate. The Interoperability Zonesstartfour zones below the C Bank.

To get back to the A bank just use the ABC switch to return.

## HOSPITAL & TRAINING ZONES (M & N ZONES)

## **SFFD Hospital Zone**

- Located as the second to last Bank on the radio; can use the Zone up Button to go two Banks up from the A Bank
- Consists of a separate Talk-group for each Hospital
- Not in operation yet but when adopted by the hospitals it will allow multiple consults at the same time

### **SFFD Training Zone**

- Located as the last Bank (N) on the radio; easily accessed by using the Zone Up Button and going up one Bank from the A bank
- Mimics the Operations Bank but uses the City's digital radio system
- Designed to let Firefighters get used to using digital radios on the fire-ground
- Consists of 16 Talk-groups, mirroring the Ops Bank
- Can be used at Battalion and Live Fire Drills and by Recruits in the Tower

Hospital M1-SFGF

M2-UC Miss By M3-UC Parnas M4-St. Luke's M5-St. Francis M6-CalPac CA

M7-CalPac Pac M8-Davies M9-Kaiser SF M10-Kaiser Sth M11-Seaton M12-VA

M13-Sobering M14-HOT M15- Unprg M16- Unprg Training N1-CTRL 1T

N2-CTRL 2T N3-CTRL 3T N4-DSPT 4T

N5-CMD 5T N6-CMD6T

N7-TAC 7T N8-TAC 8T

N9-TAC 9T

N10-TAC 10T

N11-TAC 11T N12-TAC 12T

N12-TAC 12T

N14-TAC 14T

N16-TAC 16T

**Zone Up Button** 

The Radio Zones are arranged in a circle; you can get to any Zone by using the Zone Up or the Zone Down Button.

The Zone Up Button must be held down for 1.5 seconds before it will operate. The Hospital Bank is one up while the Training bank is two up from the A Bank

To get back to the A bank just use the ABC switch to return.



## San Francisco Fire Department Division of Training Training Bulletins

90-7	Roof Ventilation Utilizing the XL-98
91-5	Elevator Rescue
93-1	Civil Disturbance Operations
93-2	Safety Considerations, XL-98
93-3	MRI Systems Safety
95-3	Size Up
95-7	Garage Door Precautions and Forcible Entry
96-3	Confined Space Operating Guidelines
96-5	Occupational Safety
97-1	Instructional Methodology
97-4	Electrically Powered Vehicles
02-1	Bomb & Bomb Threat Procedures
04-2	Safe Haven for Newborns
05-1	Self-Reading Electronic Dosimeter
07-2	End-Tidal CO <sub>2</sub> Monitor Device
13-1	Incident Support Crew
18-1	Siemens LRV4 Safe Lifting Guide
18-2	Portable Radio Training