



SAN JOSE POLICE DEPARTMENT

TRAINING BULLETIN

TO: ALL DEPARTMENT PERSONNEL

FROM: Edgardo Garcia
Chief of Police

SUBJECT: RADIO SYSTEM MIGRATION

DATE: February 9, 2020

BULLETIN #2020-002

Silicon Valley Regional Communications System Migration

On March 16th, 2020 at 0400 hrs. the San Jose Police Department will be migrating to the Silicon Valley Regional Communications System (SVRCS). The newly completed, tested, and accepted 700 MHz trunked radio system will provide consistent radio communication coverage throughout the city. Programming of all handpacks and vehicle radios has been completed to support migration to the new system.

TRAINING:

Hands-on training will be provided in the weeks leading up to March 16th and will continue during the first week after migration. In addition, new pocket guides will be distributed that list the new channel lineup and include instructions on changing zones. Once all the vehicles have been utilized once, their mobile radios should not need further attention.

YOU SHOULD KNOW:

- Radio channels SJ01-SJ11 & SB LAW 7-8 WILL be encrypted
- Backup channels SJ12-SJ15 will have repeater access but will NOT be encrypted
- ALL radio channels will be recorded (including Special Ops & BOI channels)
- The Handpack channel knob will not change channels while the radio is off
- The radio will make a “bonk” sound to notify you when multiple units are transmitting
- The radio will automatically stop transmitting when a mic is held open for 60 seconds
- [REDACTED]
- The Code 99 radio will take transmitting priority over other radios in the field
- [REDACTED]

THE CHANGE OVER:

At approximately 0400 hrs. on March 16th, when clear of any major incidents, Communications will announce the time to change “zones” on both handpacks and vehicle radios. A roll call will be conducted to ensure every unit on the channel has transitioned. Dispatch will continue to monitor the old channels for one week after the migration. Systems and Radio Shop personnel will be available to provide support at each briefing for seven days after migration.

HOW TO CHANGE VEHICLE RADIOS:

Adjusting the mobile radio is a one-button operation. Push the key below the word “ZNDN” one time from the “A - DISPATCH” zone. Select the desired district channel. Note that the new SJPD - SVRCS channel names now start with a “7” indicating the new 700 MHz radio frequencies. See the attached training guide for illustrated instructions.

HOW TO CHANGE HANDHELD RADIOS:

In order to navigate to the new SJPD SVRCS “zone,” remove the handpack from its case. Rotate the keypad lock to the left, aligning the vertical white line with the open circle to unlock the keypad. Touch the softkey (single green dot) below the word “zone” shown on the screen. Scroll up to the SJPD SVRCS zone using the up arrow on the 4-way button. Touch the softkey (single green dot) below the word “Sel” to lock the radio on the SJPD SVRCS zone. Lock the keypad by turning the keypad lock to the right aligning the vertical white line with the circle with the slash through it. Select the desired channel utilizing the channel sector knob on the top of the radio. New SVRCS channels start with a “7” indicating the new 700 MHz system and will have a green screen when initially selected. When complete, return the handpack to its case. See the attached training guide for illustrated instructions.

The attached *SVRCS Migration Training Guide* provides written and illustrated instructions on how to navigate to the new radio zone. It also provides detailed information on the new system capabilities, access to other regional radio systems, multiple unit transmissions, open mic features, code 99 features, car-to-car capabilities, and system redundancies. This and additional training material are available on the department intra-net within the Bureau of Technical Services page, under “Interoperability,” SVRCS.



Edgardo Garcia
Chief of Police

EG:PC:AS

Attachment: SVRCS Migration Training Guide

SVRCS MIGRATION TRAINING GUIDE

On March 16th, 2020 at 0400 hrs. the San Jose Police Department will be migrating to the Silicon Valley Regional Communications System (SVRCS). The newly completed, tested, and accepted 700 MHz trunked radio system will provide consistent radio communication coverage throughout the city. Programming of all handpacks and vehicle radios has been completed to support migration to the new system.

INDEX	PAGE
Migrating Handheld Radios	1-2
Migrating Vehicle Radios	3
APX 7/8000 Pocket Guide	4
Regional Access	5
Multiple Units & Open Mics	6
Code 99 Features	6
Car-to-Car Transmissions	6
Backup Channel Capabilities Chart	7
System Redundancies	8

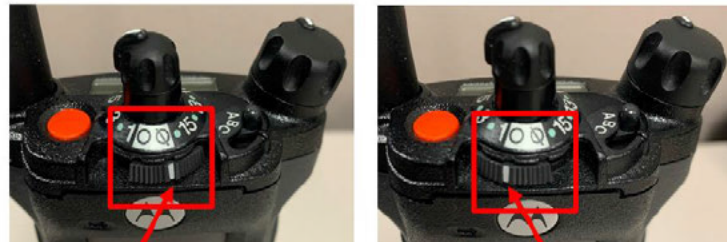
HOW TO MIGRATE HANDHELD RADIOS

In order to navigate to the new SJPD SVRCS “zone,” remove the handpack from its case. Rotate the keypad lock to the left, aligning the vertical white line with the open circle to unlock the keypad. Touch the softkey (single green dot) below the word “zone” shown on the screen. Scroll up to the SJPD SVRCS zone using the up arrow on the 4-way button. Touch the softkey (single green dot) below the word “Sel” to lock the radio on the SJPD SVRCS zone. Lock the keypad by turning the keypad lock to the right aligning the vertical white line with the circle with the slash through it. Select the desired channel utilizing the channel sector knob on the top of the radio. New SVRCS channels start with a “7” indicating the new 700 MHz system and will have a green screen when initially selected. When complete, return the handpack to its case.

Anytime that the radio is changed to a different zone, these steps will need to be repeated to return the radio to the SJPD-SVRCS zone. This could occur when utilizing the A-B-C zone selector switch on top of the radio, for example. In the coming months, radio reprogramming will occur again to return the most used zone, SJPD-SVRCS, to the “A” zone position for ease of operation. Below are step by step visual aids in changing zones on the handpack.

SVRCS MIGRATION TRAINING GUIDE

Keypad Lock



Locked position

Unlocked position

SJPD-SVRCS Zone Selection



Step 1* – Touch Softkey below “Zone”

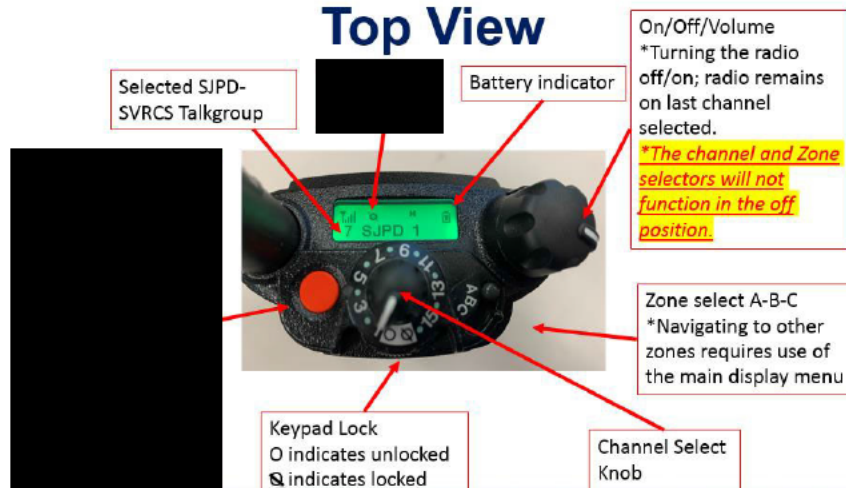
Step 2 – Touch 4-way button up once to find SJPD-SVRCS zone.

Step 3 – Touch softkey below “Sel” to select SJPD – SVRCS zone. **

* Unlock lock Keypad

** Unlock lock Keypad

Top View



Selected SJPD-SVRCS Talkgroup

Battery indicator

On/Off/Volume
*Turning the radio off/on; radio remains on last channel selected.

***The channel and Zone selectors will not function in the off position.**

Zone select A-B-C
*Navigating to other zones requires use of the main display menu

Keypad Lock
O indicates unlocked
X indicates locked

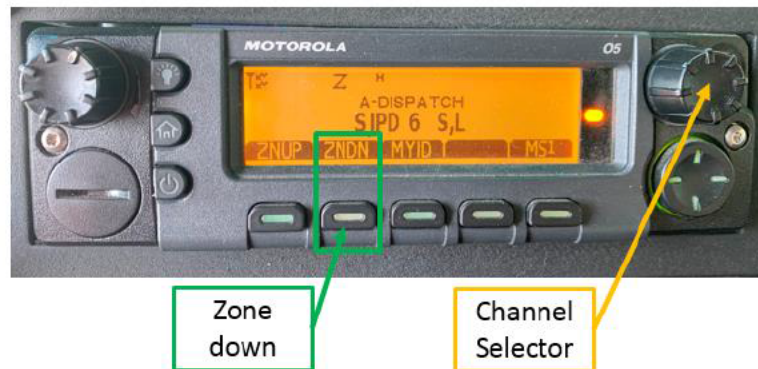
Channel Select Knob

SVRCS MIGRATION TRAINING GUIDE

HOW TO MIGRATE VEHICLE RADIOS

Adjusting the mobile radio is a one-button operation. Push the key below the work “ZNDN” one time from the “A - DISPATCH” zone. Select the desired district channel. Note that the new SJPD - SVRCS channel names now start with a “7” indicating the new 700 MHz radio frequencies.

Mobile Radio



Below is a chart describing the use of each of the new channels in the new SJPD – SVRCS zone.

Old Zone	New Zone	Description of use
A-DISPATCH	SJPD-SVRCS	
SJPD 1 R,V,D	7 SJPD 1	Channel 1 - R,V,D
SJPD 2 N,F	7 SJPD 2	Channel 2 - N,F
SJPD 3 W,M	7 SJPD 3	Channel 3 - W,M
SJPD 4 C,P	7 SJPD 4	Channel 4 - C,P
SJPD 5 K,E	7 SJPD 5	Channel 5 - K,E
SJPD 6 S,L	7 SJPD 6	Channel 6 - S,L
SJPD 7 A,T	7 SJPD 7	Channel 7 - A,T
SJPD 8 X,Y	7 SJPD 8	Channel 8 - X,Y
SJPD 9	7 SJPD 9	Back up channel
SJPD 10	7 SJPD 10	Back up channel
SJPD 11	7 SJPD 11	Back up channel
SJPD 12 D	7 SJPD 12	Additional SVRCS
SJPD 13 D	7 SJPD 13	back up channels
SJPD 14 D	7 SJPD 14	when needed for
SJPD 15 D	7 SJPD 15	special events
BAYMAX	SB LAW 8	Countywide pursuit channel

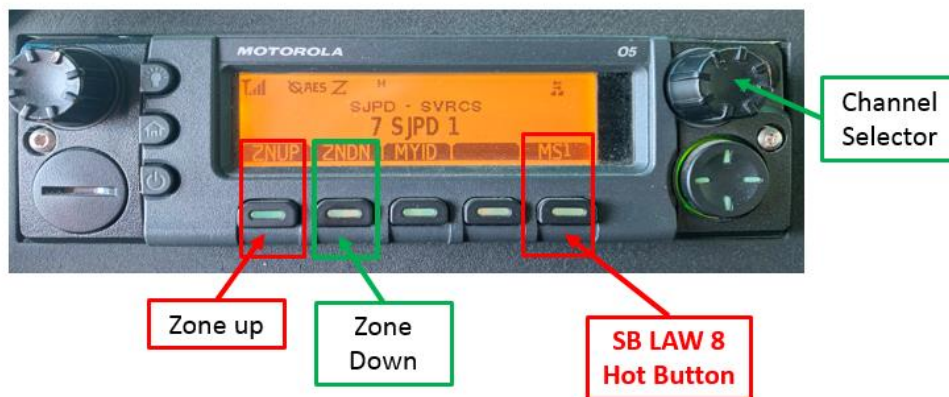
SVRCS MIGRATION TRAINING GUIDE

REGIONAL CAPABILITIES

On the mobile radios is a new “one-push” hot button that has been programmed to switch the radio directly to **SB LAW 8**. It is the far-right menu button on the mobile radio marked “MS1”. If another agency requires assistance, you may be asked to switch to this SB LAW interoperability channel or SB LAW 1-7

Channels SB LAW 1-7 are designated for use for emerging incidents. Should a pursuit or surveillance travel outside the city but remain in the county, **SB LAW 8** will be the channel of choice replacing BAYMACS. Below is a visual aid for selecting that channel quickly on the mobile radio.

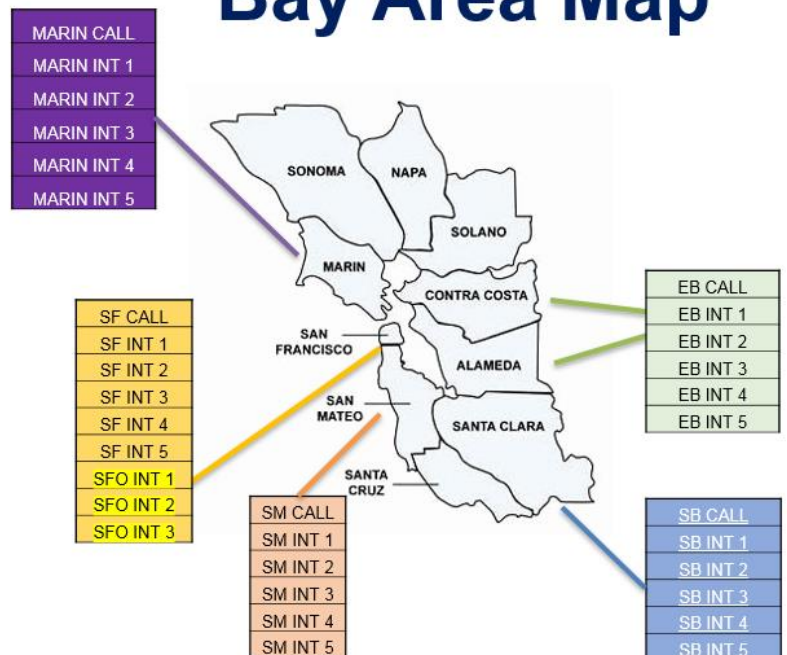
SVRCS Mobile Radio



There are currently five other bay area radio systems that our radios will function on when inside their coverage area(s).

- EB INT 1
Alameda and Contra Costa Counties
- SM INT 1
San Mateo County
- SF INT 1
San Francisco County
- SFO INT 1
San Francisco Intl Airport
- MARIN INT 1
Marin County
(Under construction)

Bay Area Map



SVRCS MIGRATION TRAINING GUIDE

MULTIPLE UNITS & OPEN MICS

The new radio system has a new unique set of sounds that will be heard during normal operations and Code 99 activations. There is a “talk permit” chirp that indicates to the user that the channel is available to transmit. Depress the transmit key, wait for the three chirps, transmit and release the transmit key. Only one transmission is permitted on the system at a time on the new system. This officer safety feature ensures that when transmitting, there is a single message on the channel and not multiple, unreadable transmissions.

If the radio sounds a short tone known as a “bonk,” it is because someone else is transmitting. When this happens, release the microphone and listen for the traffic to end. Note, that a dispatcher on the channel can talk over any field unit. The dispatcher will be heard by everyone on the channel except for the person transmitting. The radio has also been programmed to “time out” after 60 seconds to end an accidental “open mic” condition.

CODE 99 FEATURES

[REDACTED]

[REDACTED]

[REDACTED]

CAR TO CAR TRANSMISSIONS

[REDACTED]

SVRCS MIGRATION TRAINING GUIDE

BACKUP CHANNEL CAPABILITIES CHART

System	Name	Description of Use		Reservation Needed?
LEGACY UHF	SJPD 9	Back up repeated UHF		Y
	SJPD 10	Back up repeated UHF		Y
	SJPD 11	Back up repeated UHF		Y
	SJPD 12 D	Bak up simplex (direct) UHF		Y
	SJPD 13 D	Bak up simplex (direct) UHF		Y
	SJPD 14 D	Bak up simplex (direct) UHF		Y
	SJPD 15 D	Bak up simplex (direct) UHF		Y
	SJ C2C 1	District Car 2 Car (Simplex/Direct)		N
	SJ C2C 2	District Car 2 Car (Simplex/Direct)		N
	SJ C2C 3	District Car 2 Car (Simplex/Direct)		N
	SJ C2C 4	District Car 2 Car (Simplex/Direct)		N
	SJ C2C 5	District Car 2 Car (Simplex/Direct)		N
	SJ C2C 6	District Car 2 Car (Simplex/Direct)		N
	SJ C2C 7	District Car 2 Car (Simplex/Direct)		N
	SJ C2C 8	District Car 2 Car (Simplex/Direct)		N
System	Name	Description of Use		Reservation Needed?
SJPD SVRCS	7 SJPD 9	New SJPD back up trunked talkgroup		Y
	7 SJPD 10	New SJPD back up trunked talkgroup		Y
	7 SJPD 11	New SJPD back up trunked talkgroup		Y
	7 SJPD 12	New SJPD back up trunked talkgroup		Y
	7 SJPD 13	New SJPD back up trunked talkgroup		Y
	7 SJPD 14	New SJPD back up trunked talkgroup		Y
	7 SJPD 15	New SJPD back up trunked talkgroup		Y
	7 SJPD 16	New SJPD back up trunked talkgroup		Y
SVRCS LAW MUTUAL AID	<u>SB LAW 1</u>	SVRCS (South Bay) Law Mutual Aid Use = Emerging Incidents		N
	<u>SB LAW 2</u>	SVRCS (South Bay) Law Mutual Aid Use = Emerging Incidents		N
	<u>SB LAW 3</u>	SVRCS (South Bay) Law Mutual Aid Use = Emerging Incidents		N
	<u>SB LAW 4</u>	SVRCS (South Bay) Law Mutual Aid Use = Emerging Incidents		N
	<u>SB LAW 5</u>	SVRCS (South Bay) Law Mutual Aid Use = Emerging Incidents		N
	<u>SB LAW 6</u>	SVRCS (South Bay) Law Mutual Aid Use = Emerging Incidents		N
	<u>SB LAW 7</u>	SVRCS (South Bay) Law Mutual Aid Use = Emerging Incidents		N
	<u>SB LAW 8</u>	SVRCS (South Bay) Law Mutual Aid Use = Pursuit/Shooter		N
	<u>SB LAW 9</u>	SVRCS (South Bay) Law Mutual Aid Use = Planned Events		Y
	<u>SB LAW 10</u>	SVRCS (South Bay) Law Mutual Aid Use = Planned Events		Y
	<u>SB LAW 11</u>	SVRCS (South Bay) Law Mutual Aid Use = Planned Events		Y
	<u>SB LAW 12</u>	SVRCS (South Bay) Law Mutual Aid Use = Planned Events		Y
	<u>SB LAW 13</u>	SVRCS (South Bay) Law Mutual Aid Use = Planned Events		Y
	<u>SB LAW 14</u>	SVRCS (South Bay) Law Mutual Aid Use = Planned Events		Y
	<u>SB LAW 15</u>	SVRCS (South Bay) Law Mutual Aid Use = Planned Events		Y
	<u>SB LAW 16</u>	SVRCS (South Bay) Law Mutual Aid Use = Planned Events		Y

* Any SouthBay Law talk group use shall be coordinated through dispatch with appropriate countywide notifications

Note that reservations for backup channels SJ09-SJ16 are made through Communications.

SVRCS MIGRATION TRAINING GUIDE

SYSTEM REDUNDANCIES

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]