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Emergency Responder Radio Coverage Systems

P-500.1 PURPOSE & SCOPE

The California Fire Code requires adequate radio communication capabilities for first responders (fire, police and EMS personnel) in new buildings. This capability is based upon the existing coverage levels of the public safety communications system for each jurisdiction. If existing radio coverage levels do not provide adequate communication capabilities within a building, an Emergency Responder Radio Coverage System (ERRCS) shall be installed to allow for such coverage.

P-500.2 POLICY

It is the policy of the San Mateo County Fire Chiefs to provide direction on the installation, compliance testing, and recordkeeping of emergency responder radio coverage systems to promote consistent required information to installation and testing contractors.

P-500.3 REFERENCES

California Fire Code, Current edition

NFPA 72 – National Fire Alarm and Signaling Code

NFPA 1221 – Standard for the Installation, Maintenance and Use of Emergency Services Communications Systems

P-500.4 PROCEDURES

VENDOR QUALIFICATIONS

Designer

1. On new systems designed for existing structures as well as new structures; a Professional Engineer (P.E.) licensed in the State of California shall approve by affixing their P.E. seal to the design documents.

Testing

2. For system acceptance a certified IEEE—WCET (Institute of Electrical and Electronics Engineers – Wireless Communications Engineering Technologies Certification) or other local fire authority approved professionally certified person shall test and sign-off on testing within the structure. The IEEE-WCET or other approved professionally certified person shall inspect and test on an annual basis – sign a record of completion attesting

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to the proper function of the system on all bands and frequencies designed into the system.

- a. NOTE – this should not be a verification of the system design OR an acceptance test certification between the vendor and building owner. This test is functional and should be performed after acceptance testing is completed between the building owner and the installation vendor. This test should serve as the (ERRCS Qualification) – in other words, this test would certify to the local Fire Authority that the system is functioning

Installer

3. Installation of approved ERRC systems shall be conducted by a State of California licensed C-7, C-10 or C-16 contractor.

SYSTEM DESIGN SPECIFICATIONS

1. Design shall include individual radio frequencies as determined by the Authority Having Jurisdiction (AHJ). A list of required frequencies shall be obtained from the Authority Having Jurisdiction (AHJ), half-duplex and full-duplex channels only.
 - a. Radio channels shall be filtered in accordance with FCC bandwidth limitations for those specific radio frequencies.
 - i. Example – if a VHF radio channel is licensed at 12.5 kHz bandwidth – filter in the system shall correspond to the same bandwidth.
2. Simplex channels will not be added to any system as they can cause irreparable harm in the form of interference.
3. Design shall include an Emergency Power Off (EPO) switch that when activated can remove power from all active electronics in the system.
 - a. EPO shall be located adjacent to the Fire Alarm Control Panel (FACP).
 - b. This is for the purpose of interference mitigation. Systems should be left in the “on” position under normal conditions.
4. Design shall be flexible to allow for additions and deletions of radio frequencies and radio bands as specified by the FCC CFR 47 Part 90 for public safety.
5. Radio Frequency emissions generated within the building, downlink frequencies within the building OR captured signal to a portable radio (subscriber unit) generated within the building from the ERRCS, shall be controlled and shall not propagate outside of the structure.
6. All systems shall be designed not to exceed CFR 47 FCC Part 90 for Public Safety radio frequency bandwidths per individual frequency utilized within the system.
7. Radio frequencies and radio frequency bands not used in the system shall be filtered for signal attenuation at or below surrounding noise floor as measured at the location of the system.

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Upon receipt of an ERRCS plan submittal for review and approval of a fire permit, the installing contractor shall be given the Emergency Responder Radio System Information Sheet (Attachment A) to be completed and returned to the local fire authority.

1. The local fire authority shall update the master database ([found here](#)) by entering the information obtained from Attachment A. To obtain access to the full database please contact comms@smcfire.org.
2. Before any compliance testing of an ERRCS, the testing contractor shall complete the Emergency Responder Radio Coverage System Testing Requirement Sheet (see Attachment B) and return to the local fire authority. This describes the proper testing procedure involving law enforcement and fire dispatch centers. Approval and notification of such testing must be made prior to commencing the test.
3. Frequency Testing: Conduct all tests on a secondary channel whenever possible. If a test fails on a secondary channel, re-test the failed grid on the primary channel. If the grid passes on the primary channel, you may pass that grid. Measure and record the signal level near the donor antenna for each channel. See appendix for appropriate channel to use.
 - I. **For the VHF fire channels:** Obtain signal strength measurements on the appropriate zone Command Channel (11, 21, 31 or 41) and Command 51. If signal levels are comparable between zone command channel and Command 51, commence testing on Command 51. Always attempt testing on a secondary channel (Command 51) first.
 - II. **For the UHF law channels:** Obtain signal strength measurements on local police agency Channel 1 (dispatch), local police agency Channel 2 and SMCO TAC 2. If all signal levels are comparable, Commence testing on local police agency channel 2. Always attempt testing on a secondary channel first.
 - III. **700 MHz P25 system:** Obtain signal strength measurements from the control channel and test audio on the COCOM4 talk group.
4. The installation of ERRCS shall be done under a fire permit, approved by the local fire authority.

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Attachment 1:

EMERGENCY RESPONDER RADIO COMMUNICATION SYSTEM INFORMATION SHEET

Building Address: _____

Building Name: _____

Administrative contact name (24hr/7days): _____

Administrative contact phone (24hr/7days): _____

Administrative contact email (24hr/7days): _____

Technical contact name (24hr/7days): _____

Technical contact phone (24hr/7days): _____

Technical contact email (24hr/7days): _____

ERRCS Equipment Make/Model: _____

System shutdown instructions: _____

Complete list of transmit / receive frequencies:

_____	_____
_____	_____
_____	_____
_____	_____

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Attachment 2:

EMERGENCY RESPONDER RADIO COVERAGE SYSTEM TESTING REQUIREMENTS

1. Compliance testing of emergency responder radio coverage systems shall be done under the following conditions:
 - a. Complete and submit this sheet to the local fire authority for approval at least 7 days prior to testing.
 - b. Contact all affected dispatch centers at least 30 minutes in advance of testing for notification.
 - c. Testing must be performed ONLY between 3:00am-6:00am, 7 days a week.
 - d. The radio technician must contact the dispatch centers when testing is complete.
 - e. Test results must be submitted to the local fire authority for review and approval as part of final approval of fire permit.
 - f. 30 minutes prior to testing, the technician performing the test must contact the dispatch centers and report the information below.

i. Testing address: _____

ii. Radio frequencies/channels to be tested: _____

iii. Expected dates/duration of testing: _____

iv. Third party testing company: _____

v. Name: _____

vi. Phone: _____

vii. FCC License #: _____

viii. Name and contact number of technician on site (in the event testing must be stopped): _____

ix. Does testing require Dispatcher interaction? Yes _____ No _____

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Appendix A (Atherton):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Atherton					SMCPSC (650) 368-1421
Command 11 (primary)	154.37000	114.8	156.01500	123.0	South Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Atherton					Atherton PD (650) 688-6500
ATNPD1 (primary)	489.08750	162.2	492.08750	162.2	Police Dispatch
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix B (Belmont):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Belmont					SMCPSC (650) 368-1421
Command 11 (primary)	154.37000	114.8	156.01500	123.0	South Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Belmont					Belmont PD (650) 595-7400
BLMPD1 (primary)	488.48750	162.2	491.48750	162.2	Police Dispatch
BLMPD2 (secondary)	483.08750	162.2	486.08750	162.2	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix C (Brisbane):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Brisbane					SMCPSC (650) 368-1421
Command 31 (primary)	151.08500	123.0	158.79000	123.0	North Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Brisbane					Brisbane PD (650) 522-7700
BRSPD1 (primary)	488.38750	162.2	491.38750	162.2	Police Dispatch
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix D (Broadmoor):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Broadmoor					SMCPSC (650) 368-1421
Command 31 (primary)	151.08500	123.0	158.79000	123.0	North Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Broadmoor					Broadmoor PD (650) 368-1421
BRDPD1 (primary)	482.56250	114.8	485.56250	114.8	Police Dispatch
BRDPD2 (secondary)	488.48750	114.8	491.48750	114.8	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix E (Burlingame):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Burlingame					SMCPSC (650) 368-1421
Command 21 (primary)	153.95000	114.8	156.04500	114.8	Central Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Burlingame					Burlingame PD (650) 777-4100
BRMPD1 (primary)	489.08750	114.8	492.08750	114.8	Police Dispatch
BRMPD2 (secondary)	489.56250	114.8	492.56250	114.8	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix F (Colma):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Colma					SMCPSC (650) 368-1421
Command 31 (primary)	151.08500	123.0	158.79000	123.0	North Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Colma					Colma PD (650) 997-8320
CLMPD1 (primary)	490.91250	167.9	493.91250	167.9	Police Dispatch
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix G (Daly City):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Daly City					SMCPSC (650) 368-1421
Command 31 (primary)	151.08500	123.0	158.79000	123.0	North Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Daly City					Daly City PD (650) 991-8092
DCYPD1 (primary)	488.93750	162.2	491.93750	162.2	Police Dispatch
DCYPD2 (secondary)	489.61250	162.2	492.61250	162.2	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix H (East Palo Alto):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire East Palo Alto					SMCPSC (650) 368-1421
Command 11 (primary)	154.37000	114.8	156.01500	123.0	South Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police East Palo Alto					East Palo Alto PD (650) 321-1112
EPAPD1 (primary)	488.38750	114.8	491.38750	114.8	Police Dispatch
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix I (Foster City):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Foster City					SMCPSC (650) 368-1421
Command 21 (primary)	153.95000	114.8	156.04500	114.8	Central Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Foster City					Foster City PD (650) 286-3300
FCYPD1 (primary)	488.61250	162.2	491.61250	162.2	Police Dispatch
FCYPD2 (secondary)	488.93750	114.8	491.93750	114.8	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix J (Half Moon Bay):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Half Moon Bay					SMCPSC (650) 368-1421
Command 41 (primary)	154.14500	114.8	159.07500	107.2	Coast Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Half Moon Bay					Half Moon Bay PD (650) 726-8286
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix K (Hillsborough):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Hillsborough					SMCPSC (650) 368-1421
Command 21 (primary)	153.95000	114.8	156.04500	114.8	Central Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Hillsborough					Hillsborough PD (650) 375-7470
HILPD1 (primary)	488.33750	114.8	491.33750	114.8	Police Dispatch
HILPD2 (secondary)	484.86250	114.8	487.86250	114.8	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix L (Menlo Park):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Menlo Park					SMCPSC (650) 368-1421
Command 11 (primary)	154.37000	114.8	156.01500	123.0	South Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Menlo Park					Menlo Park PD (650) 330-6300
MNPPD1 (primary)	488.33750	162.2	491.33750	162.2	Police Dispatch
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix M (Millbrae):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Millbrae					SMCPSC (650) 368-1421
Command 21 (primary)	153.95000	114.8	156.04500	114.8	Central Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Millbrae					Millbrae PD (650) 697-1212
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix N (Pacifica):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Pacifica					SMCPSC (650) 368-1421
Command 31 (primary)	151.08500	123.0	158.79000	123.0	North Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Pacifica					Pacifica PD (650) 738-7314
PCFPD1 (primary)	488.73750	162.2	491.73750	162.2	Police Dispatch
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix O (Redwood City):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Redwood City					SMCPSC (650) 368-1421
Command 11 (primary)	154.37000	114.8	156.01500	123.0	South Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Redwood City					Redwood City PD (650) 780-7000
RCYPD1 (primary)	483.41250	186.2	486.41250	186.2	Police Dispatch
RCYPD2 (secondary)	488.78750	162.2	491.78750	162.2	Police Secondary
RCYPD3 (secondary)	484.48750	173.8	487.48750	173.8	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix P (San Bruno):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire San Bruno					SMCPSC (650) 368-1421
Command 31 (primary)	151.08500	123.0	158.79000	123.0	North Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police San Bruno					San Bruno PD (650) 616-7100
SNBPD1 (primary)	490.53750	167.9	493.53750	167.9	Police Dispatch
SNBPD2 (secondary)	488.78750	114.8	491.78750	114.8	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix Q (San Carlos):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire San Carlos					SMCPSC (650) 368-1421
Command 11 (primary)	154.37000	114.8	156.01500	123.0	South Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police San Carlos					San Carlos PD (650) 802-4321
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix R (San Mateo):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire San Mateo					SMCPSC (650) 368-1421
Command 21 (primary)	153.95000	114.8	156.04500	114.8	Central Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police San Mateo					San Mateo PD (650) 522-7700
SMOPD1 (primary)	488.31250	114.8	491.31250	114.8	Police Dispatch
SMOPD2 (secondary)	482.98750	114.8	485.98750	114.8	Police Secondary
SMOPD3 (secondary)	482.91250	114.8	482.91250	114.8	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix S (South San Francisco):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire South San Francisco					SMCPSC (650) 368-1421
Command 31 (primary)	151.08500	123.0	158.79000	123.0	North Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police South San Francisco					South San Francisco PD (650) 877-8900
SSFPD1 (primary)	488.46250	114.8	491.46250	114.8	Police Dispatch
SSFPD2 (secondary)	490.58750	114.8	493.58750	114.8	Police Secondary
SSFPD3 (secondary)	489.33750	114.8	492.33750	114.8	Police Secondary
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base

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Appendix T (Woodside):

Emergency Responder Radio System Frequency Requirements

Always try a secondary channel first and only test on channels designated for the City in which the building is located.

DISPLAY	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	NOTES
Fire Woodside					SMCPSC (650) 368-1421
Command 11 (primary)	154.37000	114.8	156.01500	123.0	South Command
Command 51 (secondary)	151.47500	167.9	159.01500	167.9	County Command
Police Woodside					Woodside PD (650) 363-4911 option 1
SMCO TAC 2 (Secondary)	488.71250	114.8	491.71250	114.8	Police County wide (650) 368-1421
Sheriff/EMS Trunked					SMCPSC (650) 368-1421
700 MHz system range	770.03125	to	773.48125		Downlink Base to Portable
	795.03125	to	798.48125		Uplink Portable to Base