

Region 5 700 MHz Regional Planning Committee

February 16, 2009

RE: Modification to Region 5, 700 MHz Plan, Docket Number 02-378

Marlene H. Dortch
Federal Communications Commission
Office of the Secretary
445 12th Street, SW
Washington D.C. 20554

Dear Secretary Dortch:

Please accept the attached amended Regional Plan from Region 5 700 MHz Planning Committee. This plan updates some of the language in the plan and also amends the frequency allocations to align the border agency allocations to the current U.S. – Mexico agreements for the 700 MHz band. This allocation also includes additional channels for the County of Riverside so that agency can implement their new radio system entirely on 700 MHz and vacate their 800 MHz licensed channels to facilitate 800 MHz rebanding in Southern California.

The meeting minutes are in the amended plan and the meeting was held on October 30, 2008 in Irvine California to vote on all amendments. Adjacent Region concurrence emails are in the amended plan.

I certify that all meetings including workgroup meetings were open to the public. Notice of the meeting was given per the requirements of the Region 5 plan.

Sincerely,



David Buchanan, Chair
Region 5 700 MHz Regional Planning Committee

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Appendix A Frequency Allocation List

Appendix B Regional Plan Members

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Appendix E CPRA Member List

Appendix F Inter-Regional Coordination and Agreements

1. Regional Committee Positions

The Chair as elected on September 19, 1999 is David Buchanan. His contact information is:

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The Vice Chair as elected on January 16, 2008 is Donald Root. His contact information is:

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The Secretary as elected on April 16, 2003 is Gary Poon. His contact information is:

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2. RPC Membership

Appendix B contains the membership list for Region 5. Membership is open to any interested party. Voting and operating procedures are described in Section 5 of this plan.

3. Region Description

Region 5 commonly referred to as Southern California, consists of 10 counties – San Luis Obispo, Santa Barbara, Kern, Ventura, San Bernardino, Los Angeles,

Orange, Riverside, San Diego, and Imperial.

The Southern California terrain is varied and rugged. Elevations range from 180 feet below sea level to over 10,000 feet above. Population is concentrated in the Los Angeles basin and surrounding areas and in San Diego and its surrounding areas. Other areas of Southern California have small concentrated areas of population with vast areas of mountains and desert with very sparse population. The Los Angeles Basin including surrounding areas requires the majority of spectrum to support public safety services to the 20.6 million citizens.

All types of public safety agencies and services are located in this region. The majority of requests for voice spectrum were as follows.

The State of California's request for spectrum is to support a new statewide system that will integrate multiple state agencies on the system. The State is also designing the system to accommodate local agencies that wish to participate.

Several Counties in the region are requesting spectrum to expand and accommodate growth of existing 800 MHz trunked systems.

The State Emergency Medical Services Authority and American Medical Response (AMR) a large ambulance service provider requested spectrum for new emergency medical systems.

Another category of requests was from a few cities in the Los Angeles basin area to satisfy long unmet needs.

On July 31, 2007 the FCC released its *Second Report and Order*¹ realigning the public safety allocation in the upper 700 MHz band from 764-776 / 794-806 MHz to 763-775 / 793-805 MHz, and consolidating the narrowband segments into the upper portion (769-775 / 799-805 MHz) of the public safety allocation. This consolidation prompted a series of meetings of the Region 5 committee to address issues related to the realignment.

The Committee received a letter dated January 14, 2008 that withdrew the State's request for channels in the General Use Band. Those channels are now removed from the allotment list.

The Committee received an email on October 10, 2008 from the State withdrawing a request from the State Emergency Medical Services Authority (EMSA) for 24 channels. Those Channels are removed from the allocation list.

For both of the above items the Committee understands the State was unable to fund a move of its radio systems to 700 MHz and can now meet the State's needs

¹ In the Matter of the Service Rules for the 698-746, 747-762 and 777-792 MHz Bands, WT Docket No. 06-150, Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems, CC Docket No. 94-102, Section 68.4(a) of the Commission's Rules Governing Hearing Aid-Compatible Telephones, WT Docket No. 01-309, Biennial Regulatory Review – Amendment of Parts 1, 22, 24, 27, and 90 to Streamline and Harmonize Various Rules Affecting Wireless Radio Services, WT Docket 03-264, Former Nextel Communications, Inc. Upper 700 MHz Guard Band Licenses and Revisions to Part 27 of the Commission's Rules, WT Docket No. 06-169, Implementing a Nationwide, Broadband, Interoperable Public Safety Network in the 700 MHz Band, PS Docket No. 06-229, Development of Operational, Technical and Spectrum Requirements for Meeting Federal, State and Local Public Safety Communications Requirements Through the Year 2010, WT Docket No. 96-86, Declaratory Ruling on Reporting Requirement under Commission's Part 1 Anti-Collusion Rule, WT Docket No. 07-166, *Second Report and Order*, 22 FCC Rcd 15289 (2007) (*Second Report and Order*).

from the State Licensed 700 MHz channels.

The Committee received a series of letters beginning in January of 2008 from the County of Riverside indicating they intended to implement their allotment of channels beginning in February 2009 after the DTV transition. The County also requested additional channels to move their entire new system to 700 MHz and move off 800 MHz channels. Through discussions with the County and the FCC Public Safety and Homeland Security Bureau the move of Riverside to 700 MHz will facilitate the reconfiguration of the 800 MHz band in Southern California.

4. Notification Process

The First Regional Plan Meeting was held on September 2, 1999. Notices were sent 60 days or more prior to the meeting, by mail, to FEMA Region 9, APCO, FCCA, IMSA, ASHTO and the FCC. The meeting was advertised in the APCO Magazine (August 1999) and the CPRA (California Public-Safety Radio Association, the local APCO chapter) News Letter (July 1999 edition). The FCC did not issue a Public Notice of the meeting. The California State Office of Emergency Services sent representatives to the meetings and they represent National Security and Emergency Preparedness at the state level and also coordinate with local emergency preparedness offices. The convener, David Buchanan also contacted several agencies via email that expressed interest in the planning process. The CPRA CommLink² is sent monthly to nearly all public safety agencies and is considered the primary notification method.

The second meeting was held on June 21, 2000. The FCC did issue a Public notice for this meeting. The meeting was again advertised in the CPRA CommLink. During the meeting an opportunity was given for anyone not at the first meeting to object and ask for a revote on decisions made. No one came forward to object.

The Convener (later elected Chair) discussed with representatives of some public agencies, ways to notify interested persons and agencies of this planning process. From past experience we found newspaper advertising to be impractical due to the number of newspapers operating in this large Region. Also, past experience of the 800 MHz planning effort, when some newspaper advertising was done, demonstrated the advertising did not reach any public safety representative not already aware of the process. It was concluded the best means to reach out as widely as possible was to use the existing resources of CPRA. No other local or State publications are known to reach people interested in this planning effort.

² Attached is a representative membership list for CPRA. As with any organization the membership changes somewhat over time. The membership over time still represents the greatest number of public safety agencies in Southern California that the Committee is aware of.

Southern California public safety agencies have a long history of participating in CPRA. CPRA was formed in 1935 and became a chapter of APCO in 1945. The chapter continues to hold a frequency coordination meeting monthly as part of the monthly chapter meeting. The APCO local frequency advisors present all applications for approval by the group. While this is an informal process done in addition to the formal coordination process, it is widely known in the public safety community and promotes the open cooperative spirit of communications planning in Southern California. Because of this history, it is widely known to contact CPRA local advisors for spectrum issues. Because of this history, a list of agencies, with known spectrum problems were able to be contacted by local frequency advisor Gary Gray. From this history agencies know to either watch the CommLink or the CPRA WEB site or attend the monthly meetings to learn of the 700 MHz planning or other spectrum planning efforts.

As the primary purpose of the planning effort is to allocate spectrum to public safety agencies needing additional spectrum, the Committee made special efforts to allow agencies to come forward and demonstrate a need for additional spectrum. A filing window for requests was open from the first meeting until January 1, 2001 and published in the July through December 2000 issues of the CPRA Newsletter. This was advertised at CPRA monthly Meetings and in the CPRA Commlink. The local APCO frequency advisor Gary Gray, personally contacted several agencies he knew of that had unfilled needs that were long standing. These initial requests, using the technical assumptions in Section 7, were used to establish the initial allotment list shown in Appendix A.

The Commission in a letter dated December 30, 2002 dismissed the April 16, 2002 plan. The Commission among other things, asked for a better outreach to Indian Tribes. To address this concern the Committee held a 4th meeting on April 16th 2003. Letters were sent to all Tribes that could be identified by an Internet search. A list of Tribes and copy of the letter is attached in the Appendix D of this plan. A FCC public notice of this meeting was issued and Notice published in the February 2003 issue of the CPRA Newsletter and also posted at the CPRAA WEB Site www.cpra.org.

All meeting notices, minutes and members of the committees are shown in the appendixes of this plan. The meetings were open to any who wanted to attend.

5. Regional Plan Administration

5.1. Operations of the Regional Plan Committee

This committee will use Robert's Rules of Order to conduct meetings. All

decisions will be by clear consensus vote with each Public Safety Agency³ having one vote. This voting insures that all agencies regardless of size have an equal vote. This region also emphasizes the clear consensus in deciding issues. The meetings are open to all persons and a public input time is given for anyone to express a viewpoint or to have input to the planning.

Workgroups may be formed as needed to work on specific issues. For the initial planning three workgroups were formed – writing group, spectrum planning group and operations group. Workgroups are intended to work on details of specific issues and make recommendations to the full committee. Any changes to the Regional plan must be voted and approved by the full Regional Plan Committee. Workgroups are open to any who want to participate. The Chair of the Regional Plan Committee appoints the Chair for each workgroup.

A minimum of one meeting per year will be held of the full committee. The Chair may call other meetings as needed, or requested by the Committee members. These will be announced and advertised 90 days in advance by the Committee Chair. The FCC will be contacted to issue a Public Notice of the meeting; the meeting will be announced in the CPRA news letter and posted on www.cpra.org. In addition an email list server accessed at <http://groups.yahoo.com/group/CPRA-Spectrum/> will be used for notification. The list server is open for anyone to sign up who would like to participate. Normal time for the annual meeting will be in January each year.

Beginning two years after Federal Communications Commission approval of this Regional Plan, the Chair shall call a meeting of the Committee to elect a Chair, Vice Chair and Secretary to serve for two years. There is no limit to the number of terms that may be served.

If the Chair is unable to serve a complete term the Vice Chair will serve as Chair until the next election meeting. If both the Chair and Vice Chair are unable to serve their full terms one or the other should strive to call a special meeting of the Committee to elect replacements. If for some reason, neither the Chair nor the Vice Chair can call the special meeting; the State or any County within the region may call for a special meeting, giving at least 90 days notice, to elect replacements.

The Chair and Vice Chair duties and powers are expressed in this plan. Their powers are limited those specified in this plan or the agreements with adjacent regions contained in this plan.

The Secretary is responsible to maintain and store all records of the committee. The Secretary also prepares minutes of all Committee meetings. At any time a new secretary is elected, the records of the Committee shall be transferred to the new secretary.

³ Agency is defined as a City, County, State EMS Authority and the State of California, each having one vote.

5.2. Procedure for Requesting Spectrum Allotments

The procedure for initial requests is stated in Section 4. After plan approval, agencies desiring a new, additional or modified spectrum allotment shall submit a request to the Chair in writing indicating their need for spectrum. The requests will be considered, providing that harmful interference is not caused to existing users.

The frequency allotment list is based on an assumption that the systems will be engineered on an interference-limited basis not a noise floor-limited basis. Agencies are expected to design their systems for maximum signal levels within their coverage area and minimum levels in the coverage area of other co-channel users. Coverage area is normally the geographical boundaries of the Agency(s) served plus a three-mile area beyond.

Systems should be designed for a minimum signal strength of 40 dB μ in the system coverage area while minimizing signal power out of the coverage area. TIA/EIA TSB88 – latest version and Longley-Rice propagation model in median mode (50/50/50 will be used to determine harmful interference assuming 40 dB μ , or greater, signal in all systems coverage areas. This may require patterned antennas and extra sites compared to a design that assumes noise limited coverage.

To maximize spectrum utilization, receivers of the highest quality must be used in systems. Given a choice of radios to choose from in a given technology family, agencies should use the units with the best specifications. This plan will not protect agencies from interference if their systems utilize low quality receivers.

Agencies will need to provide the Committee with a full justification for the additional spectrum. All requests will be considered on a first come first served basis. In the event that contending requests are received, in the same time frame Section 8.5 will be used to determine priority for allocation of spectrum.

For approval, the Chair will distribute the request to all other agencies with allotments in the plan for review. An agency may protest approval within 30 calendar days. Protests will only be considered if an agency or the Chair can show harmful interference is likely based on the input submitted by the agency requesting the new allotment or the allotment does not conform to plan criteria. If the parties cannot resolve the issues and so inform the Chair within 14 calendar days then a full Committee meeting will be scheduled to consider and vote on the protest. Absent a protest, the allotment will be approved by the Chair and submitted to the FCC as a plan amendment.

The Region will utilize the CAPRAD system to distribute and review applications. Agencies should contact the Region Secretary for details on CAPRAD use.

5.2.1. Procedure for Plan Modifications

Modifications to this plan, other than as specified above in Section 5.2 must be approved at a meeting of the full committee. The Chair may propose changes and call a meeting to consider and vote on the change. Others with a requested amendment to this plan should submit the request to the Chair and the chair will call a meeting of the full committee to consider and vote on the change.

5.3. Procedure for Frequency Coordination

Before applicants submit an application to one of the FCC recognized frequency coordinators, the application must be reviewed at a frequency meeting of the Regional Planning Committee. The Committee will review the application to ensure it complies with all elements of the Regional Plan. This will NOT be a review to ensure the application form meets FCC requirements for filing.

The applicants must submit a copy of the FCC application and supporting documents to the Regional Plan Chair via the CAPRAD system. An interference prediction map must be included in the documentation. TIA/EIA TSB88-A (or latest version) guidelines will be used to produce the interference map. The map must show all interference predicted using TSB88-A guidelines. Any agency with co-channel or adjacent channel allotments may request field tests of signal levels to verify interference signal levels. Agencies must be prepared to conduct these field tests if a request is made. All agencies must meet the coverage criteria of Section 7.

The frequency meetings will be held as needed to review applications but normally concurrent with the California Public-Safety Radio Association (CPRA-the Southern California Chapter of APCO) monthly meeting. After the regular CPRA meeting, the 700 MHz Regional Plan Frequency meeting may be convened. The CPRA meetings are normally attended by many of the public safety agencies in Southern California. Notification of frequency meetings will be placed in the CPRA CommLink and will be available to non-members at the CPRA WEB site (www.cpra.org). The FCC certified frequency coordinators will be notified of the meetings. Membership in APCO or CPRA is not required to participate in these frequency coordination meetings and the collocation of meetings is solely for the convenience of the Regional Plan Members.

5.4. Adjacent Region Spectrum Allocation

Region 5 shares borders with Arizona, Nevada, and Northern California. Region 5 has a small population density along the Nevada and Arizona borders. Region 5 will coordinate channel allocations with all bordering regions and the State of California for those channels established by planning as statewide use.

Region 5 will provide data to the CAPRAD database to assist with adjacent region coordination.

5.5. Mexico Border issues

Region 5 shares a border with Mexico. The Counties of Imperial and San Diego are impacted by any border spectrum agreements. State of California spectrum use is also impacted in those counties. In 2006 the U.S. Department of State signed a Protocol with the government of the United Mexican States for the use of the 764-776 and 794-806 MHz spectrum in a zone extending 110 km either side of the US. – Mexico Border. Region 5 requests input to the FCC for any modifications to this spectrum sharing agreements with Mexico, as any agreement that impacts allotments to Imperial County and San Diego County/City will impact the entire allotment list for Region 5. Region 5 is ready to help the FCC in any way in working out spectrum sharing agreements with Mexico with minimum impact to Region 5.

Agencies located in the Border area with Mexico should note the following conditions. Public safety licenses are granted subject to the conditions as set forth in 47 C.F.R. § 90.533. Public safety transmitters operating within 120 km or 75 miles of the Mexican border must accept any interference that may be caused by operations of UHF television broadcast transmitters in Mexico and that conditions may be added during the term of the license if required by the terms of the international agreements between the United States and the government of Mexico, as applicable, regarding the non-broadcast use of the 764-776 MHz and 794-806 MHz bands. Agencies located in the Border area should further note that changes to these international agreements may be made at any time, and that their operations may further be impacted by these future changes.

5.6. Dispute Resolution

In the event an agency disputes the implementation of this plan after FCC approval, the agency must notify the Chair of the dispute in writing. This section does not apply to protests over new spectrum allotments (see Section 5.2). The Chair will attempt to resolve the dispute on an informal basis. If a party to the dispute employs the Chair, then the Vice Chair will attempt resolution. In such cases, the Chair shall be deemed to have a conflict of interest and will be precluded from voting on such matters. If after 30 days the dispute is not resolved, the Chair (or Vice Chair) will appoint an ad-hoc Dispute Resolution Committee. The committee shall be comprised of a member from the State of California and members selected from representatives of the counties in the region, the City of Los Angeles or the City of San Diego. No member selected may be from an agency involved in the dispute. That committee will select a Chair to head the committee. The Regional Plan Chair (or Vice Chair) will represent the Region in presentations to the Dispute Resolution Committee. The Committee will hear input from the disputing agency, any effected agencies and the Region Chair. The Committee will then meet in executive session to prepare a recommendation to resolve the dispute. Should this recommendation not be acceptable to the disputing agency(ies), the dispute and all written documentation will be forwarded to the Federal Communications Commission for final resolution.

6. Interoperability Channels

6.1. Introduction

The ability for agencies to effectively respond to mutual aid requests directly depends on their ability to communicate with each other. Southern California is subject to many natural disasters and mutual aid is common among agencies. This Plan seeks to facilitate the communications necessary for effective mutual aid.

The State of California administers the interoperability channels via the California Statewide Interoperability Executive Committee (CalSIEC) under National Coordination Committee's (NCC) guidelines. As the State is divided into two 700 MHz Planning regions, this facilitates common operating procedures for both North and South. This Plan also gives the following guidance to the CalSIEC to take into account the needs of Southern California.

6.2. Tactical Channels

This Region is unable to set aside, at this time, additional channels beyond those established by the FCC in their band allocations, for interoperability use. Because of the extensive mutual aid operations that can involve several mutual aid operations simultaneously, all mobile and portable units operating under this Plan should have all the interoperability channels both repeat and direct modes programmed into each unit. The radios must be programmed with the minimum number of channels called for in NCC guidelines or as the SIEC specifies. The channels display will be in accordance with the NCC guidelines that have common alphanumeric nomenclature to avoid any misinterpretation of use.

6.3. Deployable Systems

This Plan strongly supports use of deployable systems, both conventional and trunked. Deployable systems are prepackaged systems that can deploy by ground or air to an incident to provide additional coverage and capacity on interoperability channels. This will minimize the expense of installing extensive fixed infrastructure and recognizes the difficulty of providing complete coverage of the region due to environmental constraints.

Agencies should have conventional deployable systems capable of being tuned to any of the interoperability tactical channels. Those agencies that are part of a multi-agency trunked system and commonly provide mutual aid to each other are encouraged to have trunked deployable systems that operate on the tactical channels designated by the FCC for this use. The CalSIEC will develop the operational details for deploying these systems.

It is expected that the tactical channels set aside for trunked operation will be heavily used by deployable systems. Therefore, the tactical channels

cannot be assigned to augment general use trunked systems.

6.4. Monitoring of Calling Channels

It is desired that the State of California take responsibility for monitoring the interoperability and calling channels. This would include assignments of channels to mutual aid incidents as required. The SIEC will develop operational guidelines for this function.

7. Interference Protection

The frequency allotment list is based on an assumption that the systems will be engineered on an interference-limited basis not a noise floor-limited basis. Agencies are expected to design their systems for maximum signal levels within their coverage area and minimum levels in the coverage area of other co-channel users. Coverage area is normally the geographical boundaries of the Agency(s) served plus a three-mile area beyond.

Systems should be designed for a minimum signal strength of 40 dB μ in the system coverage area while minimizing signal power out of the coverage area. TIA/EIA TSB88 (latest version) will be used to determine harmful interference assuming 40 dB μ , or greater, signal in all systems coverage areas. This may require patterned antennas and extra sites compared to a design that assumes noise limited coverage.

To maximize spectrum utilization, receivers of the highest quality must be used in systems. Given a choice of radios to choose from in a given technology family, agencies should use the units with the best specifications. This plan will not protect agencies from interference if their systems utilize low quality receivers.

8. Allocation of Narrowband “General Use” Spectrum

All agencies requesting spectrum during the initial filing window (see Section 4) were allotted channels excepting as noted in Section 8.4. Allotments were made in 4 channel (25 kHz) groups to allow for various digital technologies to be implemented. Requests for voice channels were allocated on the basis of one 6.25 kHz channel per one voice channel requested. For narrowband mobile data requests two 6.25 kHz channels were allocated for each mobile data channel requested. This was done to maximize spectrum efficiency and to meet the FCC goal of one voice channel per 6.25 kHz of spectrum. In a few cases this resulted in allocating one or two extra 6.25 kHz channels to maintain the 25 kHz grouping of channels.

The Spectrum Workgroup requested information via a series of five questions to each agency requesting spectrum. This information validated the need for

spectrum and insured no duplicated requests involving multi-agency systems. Small agencies were encouraged to join multi-agency systems if possible.

8.1. Low power Secondary Operations

To facilitate portable operation by any licensee, and to provide channels for such operation without impacting the use of primary channels, certain low power secondary use will be permitted. Any public safety entity otherwise licensed to use one or more channels under this Plan may receive authorization to license any additional channel for secondary use, subject to the following criteria:

All operation of units on such authorized channels will be considered secondary to other licensees on both co-channel and adjacent channels. No channels on or adjacent to, those designated in the Plan for wide area operation and/or mutual aid use will be authorized.

Channels will be authorized for use in specific areas only, such areas to be within the licensees authorized operational area. Maximum power will be limited to 6 watts ERP. Use aboard aircraft is prohibited.

Applications for channels may be submitted to the Committee for consideration at any time and must be accompanied by a showing of need. The Committee may select and authorize licensing of these secondary use channels after consideration of potential interference to co-channel and adjacent channel allotments, allocations and licensees. Authorization may be granted for use of any suitable channel, without prior allotment or allocation to the requesting agency.

In the event the channels authorized for low power secondary operation are needed by others during any window opening for reassignment, no protection will be afforded to the licensed secondary user, and they may be required to change frequencies or surrender licenses to prevent interference to primary use channels.

8.2. Low power Channels

The FCC in the 700 MHz band plan set aside channels 1 - 8 paired with 961 – 968 and 949 – 958 paired with 1909 – 1918 for low power use for on-scene incident response purposes using mobiles and portables subject to Commission-approved regional planning committee regional plans. Transmitter power must not exceed 2 watts (ERP).

Channels 9 –12 paired with 969 – 972 and 959 – 960 paired with 1919 – 1920 are licensed nationwide for itinerant operation. Transmitter power must not exceed 2 watts (ERP).

These channels may operate using analog operation. To facilitate analog modulation this plan will allow aggregation of two channels for 12.5 kHz

bandwidth. On scene temporary base and mobile relay stations are allowed (to the extent FCC rules allow) with an antenna height limit of 6.1 meter (20 feet) above the ground. However, users are encouraged to operate in simplex mode whenever possible. This plan does not limit use to only analog operations, these channels are intended for use in a wide variety of applications that may require digital modulation types.

In its dialog leading up to CFR §90.531 allocating the twenty-four low power 6.25 kHz frequency pairs (of which eighteen fall under RPC jurisdiction)⁴, the Federal Communications Commission (FCC) suggested that there is a potential for multiple low power applications, and absent a compelling showing, a sharing approach be employed rather than making exclusive assignments for each specific application because low power operations can co-exist [in relatively close proximity] on the same frequencies with minimal potential for interference due to the 2 watt power restriction.

Whereas advantages exist in not making assignments, the reverse is also true. If, for example, firefighters operate on a specific frequency or set of frequencies in one area, there is some logic in replicating that template throughout the region for firefighter equipment. If there are no assignments, such a replication is unlikely.

In seeking the middle ground with positive attributes showing up both for assignments and no assignments, we recommend the following regarding assignments associated with the eighteen narrowband channels for which the RPC's have responsibility.

Channel #'s 1-4 and 949-952 are set aside as generic channels for use by public safety agencies operating within Region 5, and the complementary channel #'s 961-964 and 1909-1912 are set aside as generic channels also for use by public safety agencies including GPS differential correction telemetry for channels 961-964 and 1909-1912 likewise operating within Region 5.

Channel #'s 5-8 are designated as Fire Protection channels for licensing and exclusive use by the Fire Protection discipline, and the complementary channel #'s 965-968 are set aside as Law Enforcement channels also for licensing and exclusive use by the Law Enforcement discipline.

Channel #'s 955-956 are set aside as Fire Protection channels for licensing and exclusive use by the Fire Protection discipline, and the complementary channel #'s 1915-1916 are set aside as Law Enforcement channels also for licensing and exclusive use by the Law Enforcement discipline.

Channel #'s 957-958 are set aside as Fire Protection/Law Enforcement channels

⁴ See paragraphs 35 through 39 in FCC's Third Memorandum Opinion and Order for WT Docket No. 9686 adopted September 18, 2000.

for licensing and use by the Fire Protection and Law Enforcement disciplines, and the complementary channel #'s 1917-1918 are set aside as Fire Protection/Law Enforcement

Simplex operations may occur on either the base or mobile channels. Users are cautioned to coordinate on scene use among all agencies involved. Users should license multiple channels and be prepared to operate on alternate channels at any given operational area.

8.3. System Implementation

Most areas in Southern California have been precluded from immediately implementing systems due to protection requirements of incumbent television stations. These stations have been ordered to leave the 700 MHz band in February, 2009.

Therefore, this plan will not require agencies to implement systems using the 700 MHz spectrum allocated to them until incumbent TV station(s) requiring protection relocate to another TV channel. After that date, agencies must release a System RFP within one year and sign a contract with a vendor within one year of releasing the System RFP. For the State of California only, implementation of general use channels shall be governed by FCC rule 90.529(b) and (c). This exception for the State is intended to keep the overall implementation of the State's 700 MHz spectrum consistent with the State licensing rules for the state only channels.

If an agency does not implement in the timeframes specified, that agency's allotment may be removed from the allotment list. An Agency may file a request with the Region Chair for an extension of time to implement. The request should include all details describing why the agency has not implemented and a new implementation schedule. The Committee Chair will advertise this request and set a date for the full committee to vote on the request. If no request for extension is received or the Committee votes not to extend implementation, the Committee Chair will advertise this action and set a filing window to give other agencies a chance to request an allotment of that spectrum.

8.4. Priority for Receiving Spectrum Allocations

All agencies, with two exceptions, received spectrum allocations as requested. AMR requested 24 voice channels and the State of California Emergency Medical Services Authority (EMSA), asked for a general EMS allocation of 10 voice channels. These requests were combined into one EMS pool allocation for EMS use, to be administered by the State EMSA. This pool is for any EMS provider to use under EMSA guidelines. The other exception was for requests by several small cities in Los Angeles County for spectrum for police operations.

This exception is explained below.

The cities of Arcadia, Azusa, Glendora, Maywood, Southgate, Bell, Vernon, and Downey all requested a small number of voice channels for police operations. The City and County of Los Angeles police radio systems are on UHF spectrum (450 to 512 MHz), as is most other cities in the Los Angeles basin. These systems have established mutual aid channels and procedures in place. The County of Los Angeles Sheriff is in the early stage of planning radio system upgrades. It is likely those upgrades will allow the Sheriff to host other agencies on their system. It would be more spectrum efficient and facilitate mutual aid if the above agencies joined the Sheriff's system, thus making it a multi-agency system. Also, the Sheriff should complete its upgrade before the 700 MHz spectrum will be available for use in that area, thus giving relief in a shorter time frame to those cities.

For those reasons this plan does not allocate spectrum to the above listed cities, but instead urges them and the Los Angeles Sheriff to come to agreement for multi-agency use of the Sheriff's system. In the event that no agreement can be reached between any or all of the parties, those cities will be allocated spectrum under this plan. Those allotments will be taken from the allotment provided the County of Los Angeles on a one-for-one channel basis.

8.5. Priority Matrix

In the event that future spectrum requests conflict and cannot all be accommodated, the following matrix will be used to determine priority for allotment. This matrix will only be used if two requests are received in the same time frame. Otherwise, the first come first served procedure of Section 5.2 will be used.

- Priority is given to users fundamentally involved with the protection of life and Property.
- Priority is given to shared multi-agency systems. These systems can be either groups of separate departments within a large agency or groups of agencies operating together under a large blanket agency.
- Priority is given for Immediate documented funding to construct the system using these 700 MHz frequencies.

This process, if required will be treated as a dispute and the procedures outlined in Section 5.6 using the above criteria will be used to allot the frequencies.

9. Coordination with Adjacent Regions

The Chair sent final draft copies of this plan to the conveners or Chair, as appropriate, to each adjacent region (Northern California, Arizona, and Nevada). Over half of the total General Use narrowband channels will be available to adjacent regions. Excepting the Las Vegas, Nevada, area, the border regions are sparsely populated and generally the NPSPAC 821/866 MHz band frequencies are not built out. Therefore, adjacent regions should be able to satisfy voice and narrowband data requests along their border areas with Region 5. If Nevada has problems satisfying requests in the Las Vegas area, this committee pledges to work with Nevada to resolve any issues. The adjacent region's concurrences with this plan are shown in Appendix F.

10. Spectrum utilization

In the two high population density areas of Southern California, the Los Angeles/Orange County basin and San Diego, spectrum for public safety is chronically short to support all needs. Southern California is a leader in spectrum efficient use of public safety spectrum.

Before narrowband equipment was available, through research and testing by the County of San Bernardino, 12.5 kHz offset frequencies were used under wavier to geographically short space compared to normal co-channel spacing. This was implemented at 800 MHz and extended to 470 to 512 MHz by many other agencies under wavier of FCC rules. These efforts were the basis for spacing the NPSPAC channels every 12.5 kHz. The NPSPAC plan for Southern California also contains the strictest RF signal levels for reuse of any in the nation. Agencies are required to maintain 40 dBμ in their coverage area and have reduced signals to only 35 dBμ for adjacent 12.5 kHz channel and 20 dBμ for co-channel at the border with respective agencies. A case in point, this resulted in co-channel sharing between the County of San Bernardino and the City of Los Angeles, only 35 miles apart. Adjacent channel sharing between the County of Riverside and the County of Los Angeles, about 10 miles between borders is another example of efficient spectrum sharing. These are only two of many short spaced systems in use in Southern California.

With this plan the public safety providers are striving to utilize the spectrum as efficiently as possible. The requests for voice and narrowband data totaled 880 channels. To satisfy this need the spectrum workgroup examined the requests, along with additional information requested of all agencies, to identify any duplicate requests from multi-agency systems, or any requests that were considered unreasonable to satisfy real needs over the next 15 years.

From this, the workgroup found that some Los Angeles County Cities would be best served by joining the Los Angeles County Sheriff's UHF system. The Committee will work with all parties to accomplish this. In the event that the Sheriff cannot accommodate the agencies then their needs will be met by reducing the County of Los Angeles allotment as required.

The spectrum workgroup also recommended that allotments be made on the basis of one 6.25 kHz channel for each voice channel request and two 6.25 kHz channels for each narrowband data channel request. This recommendation is approved by the full Committee and is part of this plan. This allows for the full agency needs to be met and the committee believes also conforms to the FCC intent to require use of technology that yields one voice path for each 6.25 kHz of spectrum.

Due to the existing TV assignments and HDTV assignments, most of Southern California cannot use this spectrum until the HDTV implementation is completed in early 2009. Given this uncertainty, this plan does not limit an agency from initially implementing (if it conforms to FCC rules) a technology that yields less than one voice channel per 6.25 kHz channel or aggregating narrowband data into 25 kHz blocks. The agencies are on notice that they will not receive additional allotments due to using technology that yields less than one voice channel per 6.25 kHz of spectrum or narrowband data of less than 19.2 kbps per 12.5 kHz of spectrum.

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
1	769.003125		769.0125	Low power						
2	769.009375			Low power						
3	769.015625	769.01875		Low power						
4	769.021875			Low power						
5	769.028125	769.03125	769.0375	Low power						
6	769.034375			Low power						
7	769.040625	769.04375		Low power						
8	769.046875			Low power						
9	769.053125	769.05625	769.0625	Low power						
10	769.059375			Low power						
11	769.065625	769.06875		Low power						
12	769.071875			Low power						
13	769.078125	769.08125	769.0875	General Use	San Diego County - West	Riverside County - East (Note 2)	Ventura County	Yuma Co.		Clark Co.
14	769.084375			General Use	San Diego County - West	Riverside County - East (Note 2)	Ventura County	Yuma Co.		Clark Co.
15	769.090625	769.09375		General Use	San Diego County - West	Riverside County - East (Note 2)	Ventura County	Yuma Co.		Clark Co.
16	769.096875			General Use	San Diego County - West	Riverside County - East (Note 2)	Ventura County	Yuma Co.		Clark Co.
17	769.103125	769.10625	769.1125	General Use	San Diego County - West	Riverside County - East	Los Angeles County			
18	769.109375			General Use	San Diego County - West	Riverside County - East	Los Angeles County			
19	769.115625	769.11875		General Use	San Diego County - West	Riverside County - East	Los Angeles County			
20	769.121875			General Use	San Diego County - West	Riverside County - East	Los Angeles County			
21	769.128125	769.13125	769.1375	Secondary Trunking						
22	769.134375			Secondary Trunking						
23	769.140625	769.14375		Interoperability						
24	769.146875			Interoperability						
25	769.153125	769.15625	769.1625	State license						
26	769.159375			State license						
27	769.165625	769.16875		State license						
28	769.171875			State license						
29	769.178125	769.18125	769.1875	State license						
30	769.184375			State license						
31	769.190625	769.19375		State license						
32	769.196875			State license						
33	769.203125	769.20625	769.2125	State license						
34	769.209375			State license						
35	769.215625	769.21875		State license						
36	769.221875			State license						
37	769.228125	769.23125	769.2375	Reserve						
38	769.234375			Reserve						
39	769.240625	769.24375		I/O Nationwide Call						
40	769.246875			I/O Nationwide Call						
41	769.253125	769.25625	769.2625	General Use	San Diego County	Los Angeles County				
42	769.259375			General Use	San Diego County	Los Angeles County				
43	769.265625	769.26875		General Use	San Diego County	Los Angeles County			Kings Co.	
44	769.271875			General Use	San Diego County	Los Angeles County			Kings Co.	
45	769.278125	769.28125	769.2875	General Use	Imperial County	Riverside County - West	Ventura County		Tulare Co.	
46	769.284375			General Use	Imperial County	Riverside County - West	Ventura County		Tulare Co.	
47	769.290625	769.29375		General Use	Imperial County	Riverside County - West	Ventura County		Tulare Co.	
48	769.296875			General Use	Imperial County	Riverside County - West	Ventura County		Tulare Co.	
49	769.303125	769.30625	769.3125	General Use	San Diego City	Riverside County - East	Los Angeles County			Nye Co.
50	769.309375			General Use	San Diego City	Riverside County - East	Los Angeles County			Nye Co.
51	769.315625	769.31875		General Use	San Diego City	Riverside County - East	Los Angeles County			Nye Co.
52	769.321875			General Use	San Diego City	Riverside County - East	Los Angeles County			Nye Co.
53	769.328125	769.33125	769.3375	General Use	San Diego County	San Bernardino County - West		Mojave Co.		
54	769.334375			General Use	San Diego County	San Bernardino County - West		Mojave Co.		
55	769.340625	769.34375		General Use	San Diego County	San Bernardino County - West		Mojave Co.		
56	769.346875			General Use	San Diego County	San Bernardino County - West		Mojave Co.		
57	769.353125	769.35625	769.3625	General Use	San Diego County		Los Angeles City			
58	769.359375			General Use	San Diego County		Los Angeles City			
59	769.365625	769.36875		General Use	San Diego County		Los Angeles City			
60	769.371875			General Use	San Diego County		Los Angeles City			
61	769.378125	769.38125	769.3875	Reserve						
62	769.384375			Reserve						
63	769.390625	769.39375		Interoperability						
64	769.396875			Interoperability						
65	769.403125	769.40625	769.4125	State license						

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CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
66	769.409375			State license						
67	769.415625	769.41875		State license						
68	769.421875			State license						
69	769.428125	769.43125	769.4375	State license						
70	769.434375			State license						
71	769.440625	769.44375		State license						
72	769.446875			State license						
73	769.453125	769.45625	769.4625	State license						
74	769.459375			State license						
75	769.465625	769.46875		State license						
76	769.471875			State license						
77	769.478125	769.48125	769.4875	Reserve						
78	769.484375			Reserve						
79	769.490625	769.49375		Interoperability						
80	769.496875			Interoperability						
81	769.503125	769.50625	769.5125	General Use	San Diego City	Los Angeles County				Clark Co.
82	769.509375			General Use	San Diego City	Los Angeles County				Clark Co.
83	769.515625	769.51875		General Use	San Diego City	Los Angeles County				Clark Co.
84	769.521875			General Use	San Diego City	Los Angeles County				Clark Co.
85	769.528125	769.53125	769.5375	General Use	Imperial County	Riverside County - West	Ventura County		Monterey Co.	
86	769.534375			General Use	Imperial County	Riverside County - West	Ventura County		Monterey Co.	
87	769.540625	769.54375		General Use	Imperial County	Riverside County - West	Ventura County			
88	769.546875			General Use	Imperial County	Riverside County - West	Ventura County			
89	769.553125	769.55625	769.5625	General Use	San Diego City	Riverside County - East	Los Angeles County			
90	769.559375			General Use	San Diego City	Riverside County - East	Los Angeles County			
91	769.565625	769.56875		General Use	San Diego City	Riverside County - East	Los Angeles County			
92	769.571875			General Use	San Diego City	Riverside County - East	Los Angeles County			
93	769.578125	769.58125	769.5875	General Use	San Diego County	San Bernardino County (Note 1)				Nye Co.
94	769.584375			General Use	San Diego County	San Bernardino County (Note 1)				Nye Co.
95	769.590625	769.59375		General Use	San Diego County	San Bernardino County (Note 1)		Monterey Co.		Nye Co.
96	769.596875			General Use	San Diego County	San Bernardino County (Note 1)		Monterey Co.		Nye Co.
97	769.603125	769.60625	769.6125	General Use	San Diego County		Los Angeles City	Mojave Co.		
98	769.609375			General Use	San Diego County		Los Angeles City	Mojave Co.		
99	769.615625	769.61875		General Use	San Diego County		Los Angeles City	Mojave Co.		
100	769.621875			General Use	San Diego County		Los Angeles City	Mojave Co.		
101	769.628125	769.63125	769.6375	Secondary Trunking						
102	769.634375			Secondary Trunking						
103	769.640625	769.64375		Interoperability						
104	769.646875			Interoperability						
105	769.653125	769.65625	769.6625	State license						
106	769.659375			State license						
107	769.665625	769.66875		State license						
108	769.671875			State license						
109	769.678125	769.68125	769.6875	State license						
110	769.684375			State license						
111	769.690625	769.69375		State license						
112	769.696875			State license						
113	769.703125	769.70625	769.7125	State license						
114	769.709375			State license						
115	769.715625	769.71875		State license						
116	769.721875			State license						
117	769.728125	769.73125	769.7375	Reserve						
118	769.734375			Reserve						
119	769.740625	769.74375		Interoperability						
120	769.746875			Interoperability						
121	769.753125	769.75625	769.7625	General Use	San Diego City	Los Angeles County	Riverside County - East (Note 2)			Clark Co.
122	769.759375			General Use	San Diego City	Los Angeles County	Riverside County - East (Note 2)			Clark Co.
123	769.765625	769.76875		General Use	San Diego City	Los Angeles County	Riverside County - East (Note 2)			Clark Co.
124	769.771875			General Use	San Diego City	Los Angeles County	Riverside County - East (Note 2)			Clark Co.
125	769.778125	769.78125	769.7875	General Use	Imperial County	Orange County	City of Simi Valley		Kings Co.	
126	769.784375			General Use	Imperial County	Orange County	City of Simi Valley		Kings Co.	
127	769.790625	769.79375		General Use	Imperial County	Orange County	City of Simi Valley			
128	769.796875			General Use	Imperial County	Orange County	City of Simi Valley			
129	769.803125	769.80625	769.8125	General Use	San Diego City	Riverside County - East	Los Angeles County		Tulare Co.	
130	769.809375			General Use	San Diego City	Riverside County - East	Los Angeles County		Tulare Co.	

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CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
131	769.815625	769.81875		General Use	San Diego City	Riverside County - East	Los Angeles County			
132	769.821875			General Use	San Diego City	Riverside County - East	Los Angeles County			
133	769.828125	769.83125	769.8375	General Use	San Diego County	San Bernardino County (Note 1)	Ventura County			Nye Co.
134	769.834375			General Use	San Diego County	San Bernardino County (Note 1)	Ventura County			Nye Co.
135	769.840625	769.84375		General Use	San Diego County	San Bernardino County (Note 1)	Ventura County		Monterey Co.	Nye Co.
136	769.846875			General Use	San Diego County	San Bernardino County (Note 1)	Ventura County		Monterey Co.	Nye Co.
137	769.853125	769.85625	769.8625	General Use	San Diego County		Los Angeles City	Mojave Co.	Monterey Co.	
138	769.859375			General Use	San Diego County		Los Angeles City	Mojave Co.	Monterey Co.	
139	769.865625	769.86875		General Use	San Diego County		Los Angeles City	Mojave Co.		
140	769.871875			General Use	San Diego County		Los Angeles City	Mojave Co.		
141	769.878125	769.88125	769.8875	Reserve						
142	769.884375			Reserve						
143	769.890625	769.89375		Interoperability						
144	769.896875			Interoperability						
145	769.903125	769.90625	769.9125	State license						
146	769.909375			State license						
147	769.915625	769.91875		State license						
148	769.921875			State license						
149	769.928125	769.93125	769.9375	State license						
150	769.934375			State license						
151	769.940625	769.94375		State license						
152	769.946875			State license						
153	769.953125	769.95625	769.9625	State license						
154	769.959375			State license						
155	769.965625	769.96875		State license						
156	769.971875			State license						
157	769.978125	769.98125	769.9875	Reserve						
158	769.984375			Reserve						
159	769.990625	769.99375		Interoperability						
160	769.996875			Interoperability						
161	770.003125	770.00625	770.0125	General Use	San Diego City		Los Angeles County		Kings Co.	Clark Co.
162	770.009375			General Use	San Diego City		Los Angeles County		Kings Co.	Clark Co.
163	770.015625	770.01875		General Use	San Diego City		Los Angeles County			Clark Co.
164	770.021875			General Use	San Diego City		Los Angeles County			Clark Co.
165	770.028125	770.03125	770.0375	General Use	Imperial County	Riverside County - West				
166	770.034375			General Use	Imperial County	Riverside County - West				
167	770.040625	770.04375		General Use	Imperial County	Riverside County - West				
168	770.046875			General Use	Imperial County	Riverside County - West				
169	770.053125	770.05625	770.0625	General Use	San Diego City		Los Angeles County			
170	770.059375			General Use	San Diego City		Riverside County - East			
171	770.065625	770.06875		General Use	San Diego City		Riverside County - East		Tulare Co.	
172	770.071875			General Use	San Diego City		Riverside County - East		Tulare Co.	
173	770.078125	770.08125	770.0875	General Use	San Diego County	San Bernardino County	Ventura County	Yuma Co.	Tulare Co.	
174	770.084375			General Use	San Diego County	San Bernardino County	Ventura County	Yuma Co.	Tulare Co.	
175	770.090625	770.09375		General Use	San Diego County	San Bernardino County	Ventura County	Yuma Co.		
176	770.096875			General Use	San Diego County	San Bernardino County	Ventura County	Yuma Co.		
177	770.103125	770.10625	770.1125	General Use	San Diego County		Los Angeles City	Mojave Co.	Kings Co.	Nye Co.
178	770.109375			General Use	San Diego County		Los Angeles City	Mojave Co.	Kings Co.	Nye Co.
179	770.115625	770.11875		General Use	San Diego County		Los Angeles City	Mojave Co.	Monterey Co.	Nye Co.
180	770.121875			General Use	San Diego County		Los Angeles City	Mojave Co.	Monterey Co.	Nye Co.
181	770.128125	770.13125	770.1375	Secondary Trunking						
182	770.134375			Secondary Trunking						
183	770.140625	770.14375		Interoperability						
184	770.146875			Interoperability						
185	770.153125	770.15625	770.1625	State license						
186	770.159375			State license						
187	770.165625	770.16875		State license						
188	770.171875			State license						
189	770.178125	770.18125	770.1875	State license						
190	770.184375			State license						
191	770.190625	770.19375		State license						
192	770.196875			State license						
193	770.203125	770.20625	770.2125	State license						
194	770.209375			State license						
195	770.215625	770.21875		State license						

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
196	770.221875			State license						
197	770.228125	770.23125	770.2375	Reserve						
198	770.234375			Reserve						
199	770.240625	770.24375		Interoperability						
200	770.246875			Interoperability						
201	770.253125	770.25625	770.2625	General Use	San Diego City	Los Angeles County				Clark Co.
202	770.259375			General Use	San Diego City	Los Angeles County				Clark Co.
203	770.265625	770.26875		General Use	San Diego City	Los Angeles County			Monterey Co.	Clark Co.
204	770.271875			General Use	San Diego City	Los Angeles County			Monterey Co.	Clark Co.
205	770.278125	770.28125	770.2875	General Use	Imperial County	Orange County	City of Simi Valley			
206	770.284375			General Use	Imperial County	Orange County	City of Simi Valley			
207	770.290625	770.29375		General Use	Imperial County	Orange County	City of Simi Valley			
208	770.296875			General Use	Imperial County	Orange County	City of Simi Valley			
209	770.303125	770.30625	770.3125	General Use	San Diego City	Riverside County - East	Los Angeles County		Tulare Co.	
210	770.309375			General Use	San Diego City	Riverside County - East	Los Angeles County		Tulare Co.	
211	770.315625	770.31875		General Use	San Diego City	Riverside County - East	Los Angeles County			
212	770.321875			General Use	San Diego City	Riverside County - East	Los Angeles County			
213	770.328125	770.33125	770.3375	General Use	San Diego County	San Bernardino County	Ventura County			
214	770.334375			General Use	San Diego County	San Bernardino County	Ventura County			
215	770.340625	770.34375		General Use	San Diego County	San Bernardino County	Ventura County		Monterey Co.	
216	770.346875			General Use	San Diego County	San Bernardino County	Ventura County		Monterey Co.	
217	770.353125	770.35625	770.3625	General Use	San Diego County		Los Angeles City	Yuma Co.	Inyo Co.	
218	770.359375			General Use	San Diego County		Los Angeles City	Yuma Co.	Inyo Co.	
219	770.365625	770.36875		General Use	San Diego County		Los Angeles City	Yuma Co.	Inyo Co.	
220	770.371875			General Use	San Diego County		Los Angeles City	Yuma Co.	Inyo Co.	
221	770.378125	770.38125	770.3875	Reserve						
222	770.384375			Reserve						
223	770.390625	770.39375		Interoperability						
224	770.396875			Interoperability						
225	770.403125	770.40625	770.4125	State license						
226	770.409375			State license						
227	770.415625	770.41875		State license						
228	770.421875			State license						
229	770.428125	770.43125	770.4375	State license						
230	770.434375			State license						
231	770.440625	770.44375		State license						
232	770.446875			State license						
233	770.453125	770.45625	770.4625	State license						
234	770.459375			State license						
235	770.465625	770.46875		State license						
236	770.471875			State license						
237	770.478125	770.48125	770.4875	Reserve						
238	770.484375			Reserve						
239	770.490625	770.49375		Interoperability						
240	770.496875			Interoperability						
241	770.503125	770.50625	770.5125	General Use	San Diego City	Los Angeles County				
242	770.509375			General Use	San Diego City	Los Angeles County				
243	770.515625	770.51875		General Use	San Diego City	Los Angeles County				
244	770.521875			General Use	San Diego City	Los Angeles County				
245	770.528125	770.53125	770.5375	General Use	Imperial County	Riverside County - West				
246	770.534375			General Use	Imperial County	Riverside County - West				
247	770.540625	770.54375		General Use	Imperial County	Riverside County - West				
248	770.546875			General Use	Imperial County	Riverside County - West				
249	770.553125	770.55625	770.5625	General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County			Clark Co.
250	770.559375			General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County			Clark Co.
251	770.565625	770.56875		General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County			Clark Co.
252	770.571875			General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County			Clark Co.
253	770.578125	770.58125	770.5875	General Use	San Diego County	San Bernardino County			Monterey Co.	
254	770.584375			General Use	San Diego County	San Bernardino County			Monterey Co.	
255	770.590625	770.59375		General Use	San Diego County	San Bernardino County				
256	770.596875			General Use	San Diego County	San Bernardino County				
257	770.603125	770.60625	770.6125	General Use	San Diego County		Los Angeles City	Yuma Co.	Tulare Co.	
258	770.609375			General Use	San Diego County		Los Angeles City	Yuma Co.	Tulare Co.	
259	770.615625	770.61875		General Use	San Diego County		Los Angeles City	Yuma Co.	Kings Co.	
260	770.621875			General Use	San Diego County		Los Angeles City	Yuma Co.	Kings Co.	

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
261	770.628125	770.63125	770.6375	Secondary Trunking						
262	770.634375			Secondary Trunking						
263	770.640625	770.64375		Interoperability						
264	770.646875			Interoperability						
265	770.653125	770.65625	770.6625	State license						
266	770.659375			State license						
267	770.665625	770.66875		State license						
268	770.671875			State license						
269	770.678125	770.68125	770.6875	State license						
270	770.684375			State license						
271	770.690625	770.69375		State license						
272	770.696875			State license						
273	770.703125	770.70625	770.7125	State license						
274	770.709375			State license						
275	770.715625	770.71875		State license						
276	770.721875			State license						
277	770.728125	770.73125	770.7375	Reserve						
278	770.734375			Reserve						
279	770.740625	770.74375		I/O low speed data						
280	770.746875			I/O low speed data						
281	770.753125	770.75625	770.7625	General Use	San Diego City	Los Angeles County	Riverside County - East			
282	770.759375			General Use	San Diego City	Los Angeles County	Riverside County - East			
283	770.765625	770.76875		General Use	San Diego City	Los Angeles County	Riverside County - East			
284	770.771875			General Use	San Diego City	Los Angeles County	Riverside County - East			
285	770.778125	770.78125	770.7875	General Use	Imperial County	Orange County	City of Simi Valley			
286	770.784375			General Use	Imperial County	Orange County	City of Simi Valley			
287	770.790625	770.79375		General Use	Imperial County	Orange County	City of Simi Valley			
288	770.796875			General Use	Imperial County	Orange County	City of Simi Valley			
289	770.803125	770.80625	770.8125	General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County	Tulare Co.	Clark Co.	
290	770.809375			General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County	Tulare Co.	Clark Co.	
291	770.815625	770.81875		General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County	Tulare Co.	Clark Co.	
292	770.821875			General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County	Tulare Co.	Clark Co.	
293	770.828125	770.83125	770.8375	General Use	San Diego County	San Bernardino County				
294	770.834375			General Use	San Diego County	San Bernardino County				
295	770.840625	770.84375		General Use	San Diego County	San Bernardino County				
296	770.846875			General Use	San Diego County	San Bernardino County				
297	770.853125	770.85625	770.8625	General Use	San Diego County		Los Angeles City	Mojave Co.	Monterey Co.	
298	770.859375			General Use	San Diego County		Los Angeles City	Mojave Co.	Monterey Co.	
299	770.865625	770.86875		General Use	San Diego County		Los Angeles City	Mojave Co.		
300	770.871875			General Use	San Diego County		Los Angeles City	Mojave Co.		
301	770.878125	770.88125	770.8875	Reserve						
302	770.884375			Reserve						
303	770.890625	770.89375		Interoperability						
304	770.896875			Interoperability						
305	770.903125	770.90625	770.9125	State license						
306	770.909375			State license						
307	770.915625	770.91875		State license						
308	770.921875			State license						
309	770.928125	770.93125	770.9375	State license						
310	770.934375			State license						
311	770.940625	770.94375		State license						
312	770.946875			State license						
313	770.953125	770.95625	770.9625	State license						
314	770.959375			State license						
315	770.965625	770.96875		State license						
316	770.971875			State license						
317	770.978125	770.98125	770.9875	Reserve						
318	770.984375			Reserve						
319	770.990625	770.99375		Interoperability						
320	770.996875			Interoperability						
321	771.003125	771.00625	771.0125	General Use	San Diego City	Los Angeles County				Nye Co.
322	771.009375			General Use	San Diego City	Los Angeles County				Nye Co.
323	771.015625	771.01875		General Use	San Diego City	Los Angeles County				Nye Co.
324	771.021875			General Use	San Diego City	Los Angeles County				Nye Co.
325	771.028125	771.03125	771.0375	General Use		Riverside County				

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
326	771.034375			General Use		Riverside County				
327	771.040625	771.04375		General Use		Riverside County				
328	771.046875			General Use		Riverside County				
329	771.053125	771.05625	771.0625	General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County		Tulare Co.	Clark Co.
330	771.059375			General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County		Tulare Co.	Clark Co.
331	771.065625	771.06875		General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County		Tulare Co.	Clark Co.
332	771.071875			General Use	San Diego City	Riverside County - East (Note 1)	Los Angeles County		Tulare Co.	Clark Co.
333	771.078125	771.08125	771.0875	General Use	San Diego County	San Bernardino County				
334	771.084375			General Use	San Diego County	San Bernardino County				
335	771.090625	771.09375		General Use	San Diego County	San Bernardino County			Monterey Co.	
336	771.096875			General Use	San Diego County	San Bernardino County			Monterey Co.	
337	771.103125	771.10625	771.1125	General Use	San Diego County		Los Angeles City		Inyo Co.; Kings Co.	
338	771.109375			General Use	San Diego County		Los Angeles City		Inyo Co.; Kings Co.	
339	771.115625	771.11875		General Use	San Diego County		Los Angeles City		Inyo Co.; Kings Co.	
340	771.121875			General Use	San Diego County		Los Angeles City		Inyo Co.; Kings Co.	
341	771.128125	771.13125	771.1375	General Use	Riverside County				Monterey Co.	
342	771.134375			General Use	Riverside County				Monterey Co.	
343	771.140625	771.14375		General Use	Riverside County				Monterey Co.	
344	771.146875			General Use	Riverside County				Monterey Co.	
345	771.153125	771.15625	771.1625	General Use			Orange County			
346	771.159375			General Use			Orange County			
347	771.165625	771.16875		General Use			Orange County			
348	771.171875			General Use			Orange County			
349	771.178125	771.18125	771.1875	General Use			Riverside County	Yuma Co.		
350	771.184375			General Use			Riverside County	Yuma Co.		
351	771.190625	771.19375		General Use			Riverside County	Yuma Co.		
352	771.196875			General Use			Riverside County	Yuma Co.		
353	771.203125	771.20625	771.2125	General Use	CSU		City of Simi Valley		Monterey Co.	
354	771.209375			General Use	CSU		City of Simi Valley		Monterey Co.	
355	771.215625	771.21875		General Use	CSU		City of Simi Valley		Tulare Co.	
356	771.221875			General Use	CSU		City of Simi Valley		Tulare Co.	
357	771.228125	771.23125	771.2375	General Use	Los Angeles County				Monterey Co.	
358	771.234375			General Use	Los Angeles County				Monterey Co.	
359	771.240625	771.24375		General Use	Los Angeles County				Tulare Co.	
360	771.246875			General Use	Los Angeles County				Tulare Co.	
361	771.253125	771.25625	771.2625	General Use	San Diego City		Los Angeles City	Mojave Co.		
362	771.259375			General Use	San Diego City		Los Angeles City	Mojave Co.		
363	771.265625	771.26875		General Use	San Diego City		Los Angeles City	Mojave Co.		
364	771.271875			General Use	San Diego City		Los Angeles City	Mojave Co.		
365	771.278125	771.28125	771.2875	General Use	Imperial County	Orange County			Tulare Co.	
366	771.284375			General Use	Imperial County	Orange County			Tulare Co.	
367	771.290625	771.29375		General Use	Imperial County	Orange County			Monterey Co.	
368	771.296875			General Use	Imperial County	Orange County			Monterey Co.	
369	771.303125	771.30625	771.3125	General Use		Riverside County (Note 1)				Clark Co.
370	771.309375			General Use		Riverside County (Note 1)				Clark Co.
371	771.315625	771.31875		General Use		Riverside County (Note 1)			Tulare Co.	Clark Co.
372	771.321875			General Use		Riverside County (Note 1)			Tulare Co.	Clark Co.
373	771.328125	771.33125	771.3375	General Use	San Diego County	Riverside County - East	Los Angeles County			
374	771.334375			General Use	San Diego County	Riverside County - East	Los Angeles County			
375	771.340625	771.34375		General Use	San Diego County	Riverside County - East	Los Angeles County			
376	771.346875			General Use	San Diego County	Riverside County - East	Los Angeles County			
377	771.353125	771.35625	771.3625	General Use	San Diego County	San Bernardino County - West		La Paz Co.	Tulare Co.	
378	771.359375			General Use	San Diego County	San Bernardino County - West		La Paz Co.	Tulare Co.	
379	771.365625	771.36875		General Use	San Diego County	San Bernardino County - West		La Paz Co.	Monterey Co.; Tulare Co.	
380	771.371875			General Use	San Diego County	San Bernardino County - West		La Paz Co.	Monterey Co.; Tulare Co.	
381	771.378125	771.38125	771.3875	General Use	Riverside County					
382	771.384375			General Use	Riverside County					
383	771.390625	771.39375		General Use	Riverside County					
384	771.396875			General Use	Riverside County					
385	771.403125	771.40625	771.4125	General Use			Orange County			
386	771.409375			General Use			Orange County			
387	771.415625	771.41875		General Use			Orange County			
388	771.421875			General Use			Orange County			
389	771.428125	771.43125	771.4375	General Use			Riverside County			
390	771.434375			General Use			Riverside County			

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
391	771.440625	771.44375		General Use			Riverside County			
392	771.446875			General Use			Riverside County			
393	771.453125	771.45625	771.4625	General Use	Long Beach Transit					Nye Co.
394	771.459375			General Use	Long Beach Transit					Nye Co.
395	771.465625	771.46875		General Use	Long Beach Transit					Nye Co.
396	771.471875			General Use	Long Beach Transit					Nye Co.
397	771.478125	771.48125	771.4875	General Use	San Diego City	Los Angeles County				
398	771.484375			General Use	San Diego City	Los Angeles County				
399	771.490625	771.49375		General Use	San Diego City	Los Angeles County				
400	771.496875			General Use	San Diego City	Los Angeles County				
401	771.503125	771.50625	771.5125	General Use	Palos Verdes Estates		City of Simi Valley		Inyo Co.; Monterey Co.	
402	771.509375			General Use	Palos Verdes Estates		City of Simi Valley		Inyo Co.; Monterey Co.	
403	771.515625	771.51875		General Use	Palos Verdes Estates		City of Simi Valley		Inyo Co.	
404	771.521875			General Use	Palos Verdes Estates		City of Simi Valley		Inyo Co.	
405	771.528125	771.53125	771.5375	General Use		Orange County				
406	771.534375			General Use		Orange County				
407	771.540625	771.54375		General Use		Orange County				
408	771.546875			General Use		Orange County				
409	771.553125	771.55625	771.5625	General Use		Riverside County		Mojave Co.		
410	771.559375			General Use		Riverside County		Mojave Co.		
411	771.565625	771.56875		General Use		Riverside County		Mojave Co.		
412	771.571875			General Use		Riverside County		Mojave Co.		
413	771.578125	771.58125	771.5875	General Use			Los Angeles County	Yuma Co.		
414	771.584375			General Use			Los Angeles County	Yuma Co.		
415	771.590625	771.59375		General Use			Los Angeles County	Yuma Co.		
416	771.596875			General Use			Los Angeles County	Yuma Co.		
417	771.603125	771.60625	771.6125	General Use	Long Beach Transit	San Bernardino County (Note 1)			Monterey Co.	Clark Co.
418	771.609375			General Use	Long Beach Transit	San Bernardino County (Note 1)			Monterey Co.	Clark Co.
419	771.615625	771.61875		General Use	Long Beach Transit	San Bernardino County (Note 1)				Clark Co.
420	771.621875			General Use	Long Beach Transit	San Bernardino County (Note 1)				Clark Co.
421	771.628125	771.63125	771.6375	General Use		Riverside County				
422	771.634375			General Use		Riverside County				
423	771.640625	771.64375		General Use		Riverside County				
424	771.646875			General Use		Riverside County				
425	771.653125	771.65625	771.6625	General Use			Orange County		Tulare Co.	
426	771.659375			General Use			Orange County		Tulare Co.	
427	771.665625	771.66875		General Use			Orange County		Monterey Co.; Tulare Co.	
428	771.671875			General Use			Orange County		Monterey Co.; Tulare Co.	
429	771.678125	771.68125	771.6875	General Use			Riverside County			
430	771.684375			General Use			Riverside County			
431	771.690625	771.69375		General Use			Riverside County		Tulare Co.	
432	771.696875			General Use			Riverside County		Tulare Co.	
433	771.703125	771.70625	771.7125	General Use						
434	771.709375			General Use						
435	771.715625	771.71875		General Use						
436	771.721875			General Use						
437	771.728125	771.73125	771.7375	General Use	Los Angeles County			La Paz Co.		
438	771.734375			General Use	Los Angeles County			La Paz Co.		
439	771.740625	771.74375		General Use	Los Angeles County			La Paz Co.		
440	771.746875			General Use	Los Angeles County			La Paz Co.		
441	771.753125	771.75625	771.7625	General Use			San Bernardino County			
442	771.759375			General Use			San Bernardino County			
443	771.765625	771.76875		General Use			San Bernardino County			
444	771.771875			General Use			San Bernardino County			
445	771.778125	771.78125	771.7875	General Use			Orange County		Inyo Co.	
446	771.784375			General Use			Orange County		Inyo Co.	
447	771.790625	771.79375		General Use			Orange County		Inyo Co.	
448	771.796875			General Use			Orange County		Inyo Co.	
449	771.803125	771.80625	771.8125	General Use			Riverside County			
450	771.809375			General Use			Riverside County			
451	771.815625	771.81875		General Use			Riverside County			
452	771.821875			General Use			Riverside County			
453	771.828125	771.83125	771.8375	General Use	City of Long Beach				Monterey Co.	
454	771.834375			General Use	City of Long Beach				Monterey Co.	
455	771.840625	771.84375		General Use	City of Long Beach					

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
456	771.846875			General Use	City of Long Beach					
457	771.853125	771.85625	771.8625	General Use		Los Angeles City		Mojave Co.		
458	771.859375			General Use		Los Angeles City		Mojave Co.		
459	771.865625	771.86875		General Use		Los Angeles City		Mojave Co.		
460	771.871875			General Use		Los Angeles City		Mojave Co.		
461	771.878125	771.88125	771.8875	General Use	Riverside County					Nye Co.
462	771.884375			General Use	Riverside County					Nye Co.
463	771.890625	771.89375		General Use	Riverside County				Monterey Co.	Nye Co.
464	771.896875			General Use	Riverside County				Monterey Co.	Nye Co.
465	771.903125	771.90625	771.9125	General Use		Orange County		Yuma Co.	Tulare Co.	
466	771.909375			General Use		Orange County		Yuma Co.	Tulare Co.	
467	771.915625	771.91875		General Use		Orange County		Yuma Co.	Tulare Co.	
468	771.921875			General Use		Orange County		Yuma Co.	Tulare Co.	
469	771.928125	771.93125	771.9375	General Use		Riverside County				
470	771.934375			General Use		Riverside County				
471	771.940625	771.94375		General Use		Riverside County				
472	771.946875			General Use		Riverside County				
473	771.953125	771.95625	771.9625	General Use						
474	771.959375			General Use						
475	771.965625	771.96875		General Use						
476	771.971875			General Use						
477	771.978125	771.98125	771.9875	General Use	Los Angeles County					
478	771.984375			General Use	Los Angeles County					
479	771.990625	771.99375		General Use	Los Angeles County					
480	771.996875			General Use	Los Angeles County					
481	772.003125	772.00625	772.0125	General Use		San Bernardino County			Kings Co.	
482	772.009375			General Use		San Bernardino County			Kings Co.	
483	772.015625	772.01875		General Use		San Bernardino County			Kings Co.	
484	772.021875			General Use		San Bernardino County			Kings Co.	
485	772.028125	772.03125	772.0375	General Use		Orange County			Tulare Co.	
486	772.034375			General Use		Orange County			Tulare Co.	
487	772.040625	772.04375		General Use		Orange County				
488	772.046875			General Use		Orange County				
489	772.053125	772.05625	772.0625	General Use		Riverside County			Tulare Co.	
490	772.059375			General Use		Riverside County			Tulare Co.	
491	772.065625	772.06875		General Use		Riverside County				
492	772.071875			General Use		Riverside County				
493	772.078125	772.08125	772.0875	General Use	City of Long Beach					
494	772.084375			General Use	City of Long Beach					
495	772.090625	772.09375		General Use	City of Long Beach					
496	772.096875			General Use	City of Long Beach					
497	772.103125	772.10625	772.1125	General Use		Los Angeles City				Clark Co.
498	772.109375			General Use		Los Angeles City				Clark Co.
499	772.115625	772.11875		General Use		Los Angeles City				Clark Co.
500	772.121875			General Use		Los Angeles City				Clark Co.
501	772.128125	772.13125	772.1375	General Use	Riverside County					
502	772.134375			General Use	Riverside County					
503	772.140625	772.14375		General Use	Riverside County					
504	772.146875			General Use	Riverside County					
505	772.153125	772.15625	772.1625	General Use	Santa Barbara County	Orange County				Nye Co.
506	772.159375			General Use	Santa Barbara County	Orange County				Nye Co.
507	772.165625	772.16875		General Use	Santa Barbara County	Orange County				Nye Co.
508	772.171875			General Use	Santa Barbara County	Orange County				Nye Co.
509	772.178125	772.18125	772.1875	General Use		Riverside County			Kings Co.	
510	772.184375			General Use		Riverside County			Kings Co.	
511	772.190625	772.19375		General Use		Riverside County				
512	772.196875			General Use		Riverside County				
513	772.203125	772.20625	772.2125	General Use						
514	772.209375			General Use						
515	772.215625	772.21875		General Use						
516	772.221875			General Use						
517	772.228125	772.23125	772.2375	General Use	Los Angeles County					
518	772.234375			General Use	Los Angeles County					
519	772.240625	772.24375		General Use	Los Angeles County					
520	772.246875			General Use	Los Angeles County					

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
521	772.253125	772.25625	772.2625	General Use		San Bernardino County			Tulare Co.	
522	772.259375			General Use		San Bernardino County			Tulare Co.	
523	772.265625	772.26875		General Use		San Bernardino County			Tulare Co.	
524	772.271875			General Use		San Bernardino County			Tulare Co.	
525	772.278125	772.28125	772.2875	General Use		LA County MTA				
526	772.284375			General Use		LA County MTA				
527	772.290625	772.29375		General Use		LA County MTA				
528	772.296875			General Use		LA County MTA				
529	772.303125	772.30625	772.3125	General Use		Riverside County			Inyo Co.; Kings Co.	
530	772.309375			General Use		Riverside County			Inyo Co.; Kings Co.	
531	772.315625	772.31875		General Use		Riverside County			Inyo Co.; Kings Co.	
532	772.321875			General Use		Riverside County			Inyo Co.; Kings Co.	
533	772.328125	772.33125	772.3375	General Use	City of Long Beach			Mojave Co.		
534	772.334375			General Use	City of Long Beach			Mojave Co.		
535	772.340625	772.34375		General Use	City of Long Beach			Mojave Co.		
536	772.346875			General Use	City of Long Beach			Mojave Co.		
537	772.353125	772.35625	772.3625	General Use			Los Angeles City			
538	772.359375			General Use			Los Angeles City			
539	772.365625	772.36875		General Use			Los Angeles City			
540	772.371875			General Use			Los Angeles City			
541	772.378125	772.38125	772.3875	General Use			Orange County		Yuma Co.	
542	772.384375			General Use			Orange County		Yuma Co.	
543	772.390625	772.39375		General Use			Orange County		Yuma Co.	
544	772.396875			General Use			Orange County		Yuma Co.	
545	772.403125	772.40625	772.4125	General Use	Santa Barbara County		Orange County			Clark Co.
546	772.409375			General Use	Santa Barbara County		Orange County			Clark Co.
547	772.415625	772.41875		General Use	Santa Barbara County		Orange County		Monterey Co.	Clark Co.
548	772.421875			General Use	Santa Barbara County		Orange County		Monterey Co.	Clark Co.
549	772.428125	772.43125	772.4375	General Use			Riverside County - West	La Paz Co.	Tulare Co.	
550	772.434375			General Use			Riverside County - West	La Paz Co.	Tulare Co.	
551	772.440625	772.44375		General Use			Riverside County - West	La Paz Co.		
552	772.446875			General Use			Riverside County - West	La Paz Co.		
553	772.453125	772.45625	772.4625	General Use						Nye Co.
554	772.459375			General Use						Nye Co.
555	772.465625	772.46875		General Use						Nye Co.
556	772.471875			General Use						Nye Co.
557	772.478125	772.48125	772.4875	General Use	Los Angeles County					
558	772.484375			General Use	Los Angeles County					
559	772.490625	772.49375		General Use	Los Angeles County					
560	772.496875			General Use	Los Angeles County					
561	772.503125	772.50625	772.5125	General Use	UCLA/UC		City of Pomona		Tulare Co.	
562	772.509375			General Use	UCLA/UC		City of Pomona		Tulare Co.	
563	772.515625	772.51875		General Use	UCLA/UC		City of Pomona		Tulare Co.	
564	772.521875			General Use	UCLA/UC		City of Pomona		Tulare Co.	
565	772.528125	772.53125	772.5375	General Use		Orange County	Kern County			
566	772.534375			General Use		Orange County	Kern County			
567	772.540625	772.54375		General Use		Orange County	Kern County			
568	772.546875			General Use		Orange County	Kern County			
569	772.553125	772.55625	772.5625	General Use		Riverside County			Inyo Co.	
570	772.559375			General Use		Riverside County			Inyo Co.	
571	772.565625	772.56875		General Use		Riverside County			Inyo Co.	
572	772.571875			General Use		Riverside County			Inyo Co.	
573	772.578125	772.58125	772.5875	General Use	City of Long Beach	San Bernardino County			Kings Co.	
574	772.584375			General Use	City of Long Beach	San Bernardino County			Kings Co.	
575	772.590625	772.59375		General Use	City of Long Beach	San Bernardino County			Kings Co.	
576	772.596875			General Use	City of Long Beach	San Bernardino County			Kings Co.	
577	772.603125	772.60625	772.6125	General Use	Riverside County		San Luis Obispo County	Mojave Co.		
578	772.609375			General Use	Riverside County		San Luis Obispo County	Mojave Co.		
579	772.615625	772.61875		General Use	Riverside County		San Luis Obispo County	Mojave Co.		
580	772.621875			General Use	Riverside County		San Luis Obispo County	Mojave Co.		
581	772.628125	772.63125	772.6375	General Use		LA County MTA				
582	772.634375			General Use		LA County MTA				
583	772.640625	772.64375		General Use		LA County MTA				
584	772.646875			General Use		LA County MTA				
585	772.653125	772.65625	772.6625	General Use	Santa Barbara County		Orange County			

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
586	772.659375			General Use	Santa Barbara County		Orange County			
587	772.665625	772.66875		General Use	Santa Barbara County		Orange County			
588	772.671875			General Use	Santa Barbara County		Orange County			
589	772.678125	772.68125	772.6875	General Use		Kern County	Riverside County (Note 1)	Yuma Co.		Clark Co.
590	772.684375			General Use		Kern County	Riverside County (Note 1)	Yuma Co.		Clark Co.
591	772.690625	772.69375		General Use		Kern County	Riverside County (Note 1)	Yuma Co.		Clark Co.
592	772.696875			General Use		Kern County	Riverside County (Note 1)	Yuma Co.		Clark Co.
593	772.703125	772.70625	772.7125	General Use						
594	772.709375			General Use						
595	772.715625	772.71875		General Use					Monterey Co.	
596	772.721875			General Use					Monterey Co.	
597	772.728125	772.73125	772.7375	General Use	Los Angeles County					
598	772.734375			General Use	Los Angeles County					
599	772.740625	772.74375		General Use	Los Angeles County					
600	772.746875			General Use	Los Angeles County					
601	772.753125	772.75625	772.7625	General Use	UCLA/UC		City of Pomona		Tulare Co.	
602	772.759375			General Use	UCLA/UC		City of Pomona		Tulare Co.	
603	772.765625	772.76875		General Use	UCLA/UC		City of Pomona		Tulare Co.	
604	772.771875			General Use	UCLA/UC		City of Pomona		Tulare Co.	
605	772.778125	772.78125	772.7875	General Use		LA County MTA				Nye Co.
606	772.784375			General Use		LA County MTA				Nye Co.
607	772.790625	772.79375		General Use		LA County MTA				Nye Co.
608	772.796875			General Use		LA County MTA				Nye Co.
609	772.803125	772.80625	772.8125	General Use		Riverside County				
610	772.809375			General Use		Riverside County				
611	772.815625	772.81875		General Use		Riverside County				
612	772.821875			General Use		Riverside County				
613	772.828125	772.83125	772.8375	General Use	City of Long Beach	San Bernardino County - South		La Paz Co.	Inyo Co.; Kings Co.	
614	772.834375			General Use	City of Long Beach	San Bernardino County - South		La Paz Co.	Inyo Co.; Kings Co.	
615	772.840625	772.84375		General Use	City of Long Beach	San Bernardino County - South		La Paz Co.	Inyo Co.; Kings Co.	
616	772.846875			General Use	City of Long Beach	San Bernardino County - South		La Paz Co.	Inyo Co.; Kings Co.	
617	772.853125	772.85625	772.8625	General Use		Riverside County	Kern County			
618	772.859375			General Use		Riverside County	Kern County			
619	772.865625	772.86875		General Use		Riverside County	Kern County			
620	772.871875			General Use		Riverside County	Kern County			
621	772.878125	772.88125	772.8875	General Use			Orange County	Mojave Co.		
622	772.884375			General Use			Orange County	Mojave Co.		
623	772.890625	772.89375		General Use			Orange County	Mojave Co.		
624	772.896875			General Use			Orange County	Mojave Co.		
625	772.903125	772.90625	772.9125	General Use	Santa Barbara County		Orange County			
626	772.909375			General Use	Santa Barbara County		Orange County			
627	772.915625	772.91875		General Use	Santa Barbara County		Orange County			
628	772.921875			General Use	Santa Barbara County		Orange County			
629	772.928125	772.93125	772.9375	General Use			Riverside County (Note 1)	Yuma Co.		Clark Co.
630	772.934375			General Use			Riverside County (Note 1)	Yuma Co.		Clark Co.
631	772.940625	772.94375		General Use			Riverside County (Note 1)	Yuma Co.		Clark Co.
632	772.946875			General Use			Riverside County (Note 1)	Yuma Co.		Clark Co.
633	772.953125	772.95625	772.9625	General Use	LA County MTA					
634	772.959375			General Use	LA County MTA					
635	772.965625	772.96875		General Use	LA County MTA					
636	772.971875			General Use	LA County MTA					
637	772.978125	772.98125	772.9875	General Use	Los Angeles County					
638	772.984375			General Use	Los Angeles County					
639	772.990625	772.99375		General Use	Los Angeles County					
640	772.996875			General Use	Los Angeles County					
641	773.003125	773.00625	773.0125	Interoperability						
642	773.009375			Interoperability						
643	773.015625	773.01875		Reserve						
644	773.021875			Reserve						
645	773.028125	773.03125	773.0375	State license						
646	773.034375			State license						
647	773.040625	773.04375		State license						
648	773.046875			State license						
649	773.053125	773.05625	773.0625	State license						
650	773.059375			State license						

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
651	773.065625	773.06875		State license						
652	773.071875			State license						
653	773.078125	773.08125	773.0875	State license						
654	773.084375			State license						
655	773.090625	773.09375		State license						
656	773.096875			State license						
657	773.103125	773.10625	773.1125	Interoperability						
658	773.109375			Interoperability						
659	773.115625	773.11875		Secondary Trunking						
660	773.121875			Secondary Trunking						
661	773.128125	773.13125	773.1375	General Use		Orange County			Inyo Co.; Kings Co.	
662	773.134375			General Use		Orange County			Inyo Co.; Kings Co.	
663	773.140625	773.14375		General Use		Orange County			Inyo Co.; Monterey Co.	
664	773.146875			General Use		Orange County			Inyo Co.; Monterey Co.	
665	773.153125	773.15625	773.1625	General Use		Orange County				
666	773.159375			General Use		Orange County				
667	773.165625	773.16875		General Use		Orange County				
668	773.171875			General Use		Orange County				
669	773.178125	773.18125	773.1875	General Use	Los Angeles County		San Luis Obispo County	La Paz Co.		Clark Co.
670	773.184375			General Use	Los Angeles County		San Luis Obispo County	La Paz Co.		Clark Co.
671	773.190625	773.19375		General Use	Los Angeles County		San Luis Obispo County	La Paz Co.		Clark Co.
672	773.196875			General Use	Los Angeles County		San Luis Obispo County	La Paz Co.		Clark Co.
673	773.203125	773.20625	773.2125	General Use		Riverside County			Monterey Co.	
674	773.209375			General Use		Riverside County			Monterey Co.	
675	773.215625	773.21875		General Use		Riverside County				
676	773.221875			General Use		Riverside County				
677	773.228125	773.23125	773.2375	General Use			LA County MTA		Kings Co.	
678	773.234375			General Use			LA County MTA		Kings Co.	
679	773.240625	773.24375		General Use			LA County MTA			
680	773.246875			General Use			LA County MTA			
681	773.253125	773.25625	773.2625	I/O Nationwide Call						
682	773.259375			I/O Nationwide Call						
683	773.265625	773.26875		Reserve						
684	773.271875			Reserve						
685	773.278125	773.28125	773.2875	State license						
686	773.284375			State license						
687	773.290625	773.29375		State license						
688	773.296875			State license						
689	773.303125	773.30625	773.3125	State license						
690	773.309375			State license						
691	773.315625	773.31875		State license						
692	773.321875			State license						
693	773.328125	773.33125	773.3375	State license						
694	773.334375			State license						
695	773.340625	773.34375		State license						
696	773.346875			State license						
697	773.353125	773.35625	773.3625	Interoperability						
698	773.359375			Interoperability						
699	773.365625	773.36875		Reserve						
700	773.371875			Reserve						
701	773.378125	773.38125	773.3875	General Use		Orange County		Mojave Co.		Nye Co.
702	773.384375			General Use		Orange County		Mojave Co.		Nye Co.
703	773.390625	773.39375		General Use		Orange County		Mojave Co.		Nye Co.
704	773.396875			General Use		Orange County		Mojave Co.		Nye Co.
705	773.403125	773.40625	773.4125	General Use		Orange County			Tulare Co.	
706	773.409375			General Use		Orange County			Tulare Co.	
707	773.415625	773.41875		General Use		Orange County			Monterey Co.; Tulare Co.	
708	773.421875			General Use		Orange County			Monterey Co.; Tulare Co.	
709	773.428125	773.43125	773.4375	General Use	Los Angeles County					
710	773.434375			General Use	Los Angeles County					
711	773.440625	773.44375		General Use	Los Angeles County				Monterey Co.	
712	773.446875			General Use	Los Angeles County				Monterey Co.	
713	773.453125	773.45625	773.4625	General Use	San Luis Obispo County		Riverside County			
714	773.459375			General Use	San Luis Obispo County		Riverside County			
715	773.465625	773.46875		General Use	San Luis Obispo County		Riverside County			

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
716	773.471875			General Use	San Luis Obispo County	Riverside County				
717	773.478125	773.48125	773.4875	General Use			LA County MTA		Kings Co.	Clark Co.
718	773.484375			General Use			LA County MTA		Kings Co.	Clark Co.
719	773.490625	773.49375		General Use			LA County MTA			Clark Co.
720	773.496875			General Use			LA County MTA			Clark Co.
721	773.503125	773.50625	773.5125	Interoperability						
722	773.509375			Interoperability						
723	773.515625	773.51875		Reserve						
724	773.521875			Reserve						
725	773.528125	773.53125	773.5375	State license						
726	773.534375			State license						
727	773.540625	773.54375		State license						
728	773.546875			State license						
729	773.553125	773.55625	773.5625	State license						
730	773.559375			State license						
731	773.565625	773.56875		State license						
732	773.571875			State license						
733	773.578125	773.58125	773.5875	State license						
734	773.584375			State license						
735	773.590625	773.59375		State license						
736	773.596875			State license						
737	773.603125	773.60625	773.6125	Interoperability						
738	773.609375			Interoperability						
739	773.615625	773.61875		Secondary Trunking						
740	773.621875			Secondary Trunking						
741	773.628125	773.63125	773.6375	General Use		Orange County		Mojave Co.		Nye Co.
742	773.634375			General Use		Orange County		Mojave Co.		Nye Co.
743	773.640625	773.64375		General Use		Orange County		Mojave Co.	Monterey Co.	Nye Co.
744	773.646875			General Use		Orange County		Mojave Co.	Monterey Co.	Nye Co.
745	773.653125	773.65625	773.6625	General Use	Kern County	Orange County		Yuma Co.		
746	773.659375			General Use	Kern County	Orange County		Yuma Co.		
747	773.665625	773.66875		General Use	Kern County	Orange County		Yuma Co.		
748	773.671875			General Use	Kern County	Orange County		Yuma Co.		
749	773.678125	773.68125	773.6875	General Use	Los Angeles County				Monterey Co.	
750	773.684375			General Use	Los Angeles County				Monterey Co.	
751	773.690625	773.69375		General Use	Los Angeles County					
752	773.696875			General Use	Los Angeles County					
753	773.703125	773.70625	773.7125	General Use		Riverside County				
754	773.709375			General Use		Riverside County				
755	773.715625	773.71875		General Use		Riverside County			Monterey Co.	
756	773.721875			General Use		Riverside County			Monterey Co.	
757	773.728125	773.73125	773.7375	General Use	San Luis Obispo County		LA County MTA			Clark Co.
758	773.734375			General Use	San Luis Obispo County		LA County MTA			Clark Co.
759	773.740625	773.74375		General Use	San Luis Obispo County		LA County MTA			Clark Co.
760	773.746875			General Use	San Luis Obispo County		LA County MTA			Clark Co.
761	773.753125	773.75625	773.7625	Interoperability						
762	773.759375			Interoperability						
763	773.765625	773.76875		Reserve						
764	773.771875			Reserve						
765	773.778125	773.78125	773.7875	State license						
766	773.784375			State license						
767	773.790625	773.79375		State license						
768	773.796875			State license						
769	773.803125	773.80625	773.8125	State license						
770	773.809375			State license						
771	773.815625	773.81875		State license						
772	773.821875			State license						
773	773.828125	773.83125	773.8375	State license						
774	773.834375			State license						
775	773.840625	773.84375		State license						
776	773.846875			State license						
777	773.853125	773.85625	773.8625	Interoperability						
778	773.859375			Interoperability						
779	773.865625	773.86875		Reserve						
780	773.871875			Reserve						

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
781	773.878125	773.88125	773.8875	General Use		LA County MTA			Kings Co.	
782	773.884375			General Use		LA County MTA			Kings Co.	
783	773.890625	773.89375		General Use		LA County MTA				
784	773.896875			General Use		LA County MTA				
785	773.903125	773.90625	773.9125	General Use		Orange County				
786	773.909375			General Use		Orange County				
787	773.915625	773.91875		General Use		Orange County			Monterey Co.	
788	773.921875			General Use		Orange County			Monterey Co.	
789	773.928125	773.93125	773.9375	General Use	Los Angeles County				Kings Co.	
790	773.934375			General Use	Los Angeles County				Kings Co.	
791	773.940625	773.94375		General Use	Los Angeles County				Tulare Co.	
792	773.946875			General Use	Los Angeles County				Tulare Co.	
793	773.953125	773.95625	773.9625	General Use	City of Ventura	Riverside County	City of Montebello			
794	773.959375			General Use	City of Ventura	Riverside County	City of Montebello			
795	773.965625	773.96875		General Use	City of Ventura	Riverside County	City of Montebello			
796	773.971875			General Use	City of Ventura	Riverside County	City of Montebello			
797	773.978125	773.98125	773.9875	General Use			Los Angeles City		Tulare Co.	Clark Co.
798	773.984375			General Use			Los Angeles City		Tulare Co.	Clark Co.
799	773.990625	773.99375		General Use			Los Angeles City		Monterey Co.	Clark Co.
800	773.996875			General Use			Los Angeles City		Monterey Co.	Clark Co.
801	774.003125	774.00625	774.0125	Interoperability						
802	774.009375			Interoperability						
803	774.015625	774.01875		Reserve						
804	774.021875			Reserve						
805	774.028125	774.03125	774.0375	State license						
806	774.034375			State license						
807	774.040625	774.04375		State license						
808	774.046875			State license						
809	774.053125	774.05625	774.0625	State license						
810	774.059375			State license						
811	774.065625	774.06875		State license						
812	774.071875			State license						
813	774.078125	774.08125	774.0875	State license						
814	774.084375			State license						
815	774.090625	774.09375		State license						
816	774.096875			State license						
817	774.103125	774.10625	774.1125	Interoperability						
818	774.109375			Interoperability						
819	774.115625	774.11875		Secondary Trunking						
820	774.121875			Secondary Trunking						
821	774.128125	774.13125	774.1375	General Use		LA County MTA		Yuma Co.		
822	774.134375			General Use		LA County MTA		Yuma Co.		
823	774.140625	774.14375		General Use		LA County MTA		Yuma Co.		
824	774.146875			General Use		LA County MTA		Yuma Co.		
825	774.153125	774.15625	774.1625	General Use		Orange County			Tulare Co.	
826	774.159375			General Use		Orange County			Tulare Co.	
827	774.165625	774.16875		General Use		Orange County			Tulare Co.	
828	774.171875			General Use		Orange County			Tulare Co.	
829	774.178125	774.18125	774.1875	General Use	Los Angeles County				Tulare Co.	
830	774.184375			General Use	Los Angeles County				Tulare Co.	
831	774.190625	774.19375		General Use	Los Angeles County				Monterey Co.	
832	774.196875			General Use	Los Angeles County				Monterey Co.	
833	774.203125	774.20625	774.2125	General Use	City of Ventura	Riverside County	Kern County			
834	774.209375			General Use	City of Ventura	Riverside County	Kern County			
835	774.215625	774.21875		General Use	City of Ventura	Riverside County	Kern County			
836	774.221875			General Use	City of Ventura	Riverside County	Kern County			
837	774.228125	774.23125	774.2375	General Use			Los Angeles City	Mojave Co.	Kings Co.	Nye Co.
838	774.234375			General Use			Los Angeles City	Mojave Co.	Kings Co.	Nye Co.
839	774.240625	774.24375		General Use			Los Angeles City	Mojave Co.		Nye Co.
840	774.246875			General Use			Los Angeles City	Mojave Co.		Nye Co.
841	774.253125	774.25625	774.2625	Interoperability						
842	774.259375			Interoperability						
843	774.265625	774.26875		Reserve						
844	774.271875			Reserve						
845	774.278125	774.28125	774.2875	State license						

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
846	774.284375			State license						
847	774.290625	774.29375		State license						
848	774.296875			State license						
849	774.303125	774.30625	774.3125	State license						
850	774.309375			State license						
851	774.315625	774.31875		State license						
852	774.321875			State license						
853	774.328125	774.33125	774.3375	State license						
854	774.334375			State license						
855	774.340625	774.34375		State license						
856	774.346875			State license						
857	774.353125	774.35625	774.3625	Interoperability						
858	774.359375			Interoperability						
859	774.365625	774.36875		Reserve						
860	774.371875			Reserve						
861	774.378125	774.38125	774.3875	General Use		LA County MTA		Yuma Co.		Clark Co.
862	774.384375			General Use		LA County MTA		Yuma Co.		Clark Co.
863	774.390625	774.39375		General Use		LA County MTA		Yuma Co.	Monterey Co.	Clark Co.
864	774.396875			General Use		LA County MTA		Yuma Co.	Monterey Co.	Clark Co.
865	774.403125	774.40625	774.4125	General Use		Orange County			Tulare Co.	
866	774.409375			General Use		Orange County			Tulare Co.	
867	774.415625	774.41875		General Use		Orange County				
868	774.421875			General Use		Orange County				
869	774.428125	774.43125	774.4375	General Use	Los Angeles County					
870	774.434375			General Use	Los Angeles County					
871	774.440625	774.44375		General Use	Los Angeles County					
872	774.446875			General Use	Los Angeles County					
873	774.453125	774.45625	774.4625	General Use	City of Ventura	Riverside County				
874	774.459375			General Use	City of Ventura	Riverside County				
875	774.465625	774.46875		General Use	City of Ventura	Riverside County			Monterey Co.	
876	774.471875			General Use	City of Ventura	Riverside County			Monterey Co.	
877	774.478125	774.48125	774.4875	General Use			Los Angeles City			
878	774.484375			General Use			Los Angeles City			
879	774.490625	774.49375		General Use			Los Angeles City			
880	774.496875			General Use			Los Angeles City			
881	774.503125	774.50625	774.5125	Interoperability						
882	774.509375			Interoperability						
883	774.515625	774.51875		Reserve						
884	774.521875			Reserve						
885	774.528125	774.53125	774.5375	State license						
886	774.534375			State license						
887	774.540625	774.54375		State license						
888	774.546875			State license						
889	774.553125	774.55625	774.5625	State license						
890	774.559375			State license						
891	774.565625	774.56875		State license						
892	774.571875			State license						
893	774.578125	774.58125	774.5875	State license						
894	774.584375			State license						
895	774.590625	774.59375		State license						
896	774.596875			State license						
897	774.603125	774.60625	774.6125	Interoperability						
898	774.609375			Interoperability						
899	774.615625	774.61875		Secondary Trunking						
900	774.621875			Secondary Trunking						
901	774.628125	774.63125	774.6375	General Use	San Diego City	Los Angeles County		Mojave Co.		
902	774.634375			General Use	San Diego City	Los Angeles County		Mojave Co.		
903	774.640625	774.64375		General Use	San Diego City	Los Angeles County		Mojave Co.		
904	774.646875			General Use	San Diego City	Los Angeles County		Mojave Co.		
905	774.653125	774.65625	774.6625	General Use	Riverside County		City of Montebello			Nye Co.
906	774.659375			General Use	Riverside County		City of Montebello			Nye Co.
907	774.665625	774.66875		General Use	Riverside County		City of Montebello		Monterey Co.	Nye Co.
908	774.671875			General Use	Riverside County		City of Montebello		Monterey Co.	Nye Co.
909	774.678125	774.68125	774.6875	General Use	Kern County	Orange County	Imperial County			
910	774.684375			General Use	Kern County	Orange County	Imperial County			

Channel Numbers in Green are U.S. Primary, in Pink are Mexico Primary										
CHANNEL NUMBER	BASE FREQUENCY (MHz)			ALLOCATION	USER	USER	USER	REGION 3 USER	REGION 6 USER	REGION 27 USER
	6.25 kHz	12.5 kHz	25 kHz							
911	774.690625	774.69375		General Use	Kern County	Orange County	Imperial County			
912	774.696875			General Use	Kern County	Orange County	Imperial County			
913	774.703125	774.70625	774.7125	General Use	San Diego County - West	Riverside County - East	City of Pomona			
914	774.709375			General Use	San Diego County - West	Riverside County - East	City of Pomona			
915	774.715625	774.71875		General Use	San Diego County - West	Riverside County - East	City of Pomona			
916	774.721875			General Use	San Diego County - West	Riverside County - East	City of Pomona			
917	774.728125	774.73125	774.7375	General Use	San Diego County - West		Los Angeles City			Clark Co.
918	774.734375			General Use	San Diego County - West		Los Angeles City			Clark Co.
919	774.740625	774.74375		General Use	San Diego County - West		Los Angeles City		Monterey Co.	Clark Co.
920	774.746875			General Use	San Diego County - West		Los Angeles City		Monterey Co.	Clark Co.
921	774.753125	774.75625	774.7625	I/O low speed data						
922	774.759375			I/O low speed data						
923	774.765625	774.76875		Reserve						
924	774.771875			Reserve						
925	774.778125	774.78125	774.7875	State license						
926	774.784375			State license						
927	774.790625	774.79375		State license						
928	774.796875			State license						
929	774.803125	774.80625	774.8125	State license						
930	774.809375			State license						
931	774.815625	774.81875		State license						
932	774.821875			State license						
933	774.828125	774.83125	774.8375	State license						
934	774.834375			State license						
935	774.840625	774.84375		State license						
936	774.846875			State license						
937	774.853125	774.85625	774.8625	Interoperability						
938	774.859375			Interoperability						
939	774.865625	774.86875		Reserve						
940	774.871875			Reserve						
941	774.878125	774.88125	774.8875	General Use	San Diego County - West	Los Angeles County		Mojave Co.		
942	774.884375			General Use	San Diego County - West	Los Angeles County		Mojave Co.		
943	774.890625	774.89375		General Use	San Diego County - West	Los Angeles County		Mojave Co.		
944	774.896875			General Use	San Diego County - West	Los Angeles County		Mojave Co.		
945	774.903125	774.90625	774.9125	General Use	San Diego County - West	Riverside County - East	Los Angeles City		Kings Co.	Nye Co.
946	774.909375			General Use	San Diego County - West	Riverside County - East	Los Angeles City		Kings Co.	Nye Co.
947	774.915625	774.91875		General Use	San Diego County - West	Riverside County - East	Los Angeles City			Nye Co.
948	774.921875			General Use	San Diego County - West	Riverside County - East	Los Angeles City			Nye Co.
949	774.928125	774.93125	774.9375	Low power						
950	774.934375			Low power						
951	774.940625	774.94375		Low power						
952	774.946875			Low power						
953	774.953125	774.95625	774.9625	Low power						
954	774.959375			Low power						
955	774.965625	774.96875		Low power						
956	774.971875			Low power						
957	774.978125	774.98125	774.9875	Low power						
958	774.984375			Low power						
959	774.990625	774.99375		Low power						
960	774.996875			Low power						
NOTES										
Note 1: Use of these frequencies within 70 mi. of Clark County, Nevada must be coordinated with Region 27.										
Note 2: Use of these frequencies within 70 mi. of Nye County, Nevada must be coordinated with Region 27.										

**SOUTHERN CALIFORNIA 700 MHZ
REGIONAL COMMUNICATIONS PLAN
REGION #5**



**DAVE BUCHANAN
CHAIRMAN**

700 MHz Regional Planning
September 2, 1999

NAME	AGENCY	ADDRESS	PHONE
Steve Beeferman	Data Radio	6160 Peachtree Dunwoody Rd, Atlanta, Ga	77 392-0002
Casey Chel	Long Beach Fire Department	6326 Pine Ave, Bell, Ca. 90201	562 570-1024
Frank Westphal	City of Pomona	Box 660, Pomona, Ca 91769	909 620-2089
Chuck Luckey	Long Beach	1601 San Francisco, Long Beach, Ca.	562 570-3250
Bryan Hawkins	City of Long Beach	1601 San Francisco Ave, Long Beach, Ca	562 570 2787
Roger Melton	State of California DGS	601 Sequoia Pacific Blvd., Sacramento	916 657-9132
Travis Williams	County of Los Angeles	1110 N. Eastman Ave., Los Angeles, Ca	323 267-3004
Gary Poon	Los Angeles County	1110 N. Eastman Ave., Los Angeles, Ca	323 267-3004
Ken Mitchell	California Highway Patrol	860 Stillwater, West Sacramento, Ca.	916 375-2720
Dave Vigil	City of Long Beach	1601 San Francisco, Long Beach, Ca.	562 570-2787
John Sarkissian	County of Riverside	7195 Alessandro, Riverside, Ca 90506	909 955-2533
Gary David Gray	County of Orange	840 N. Eckloff, Ste. 104, Orange, Ca.	714 704-7911
Preston Thomson	State of California DGS	601 Sequoia Pacific Blvd. Sacramento	916 657-9264
Randy Laughl	County of Los Angeles	9299 Star View Dr., Riverside	626 458-4104
Martin Lainez	City of Los Angeles	250 E. First St., Rm 1400 Los Angeles, Ca.	213 847-6688
Bill Snyder	Greater Los Angeles Chapter American Red Cross	26033 Coronado Ct., Valencia, Ca. 91355	661 255-3760
Glen Nash	State of California	601 Sequoia Pacific Blvd., Sacramento	916 657-9454
Jaime Duenas	UCLA	741 S. Charles Young, Los Angeles	310 206-7103
Jim Longthorne	Los Angeles County-DPW	900 W. Fremont, Alhambra, Ca	926-458-6983
Mehrdad Lurijaniha	City of Los Angeles	250 E. First St., #1400 Los Angeles, Ca.	213 847-2373
Thinh Dinh	City of Los Angeles	250 E. First St., #1400, Los Angeles, Ca.	213 847-6682
Jeffry Johnson	Long Beach Police Department	400 W. Broadway, Long Beach, Ca. 90802	562 570-6681

700 MHz Regional Planning
March 13, 2002 Meeting

NAME	AGENCY	ADDRESS	PHONE
Don Miller	City of Long Beach	1601 San Francisco, Long Beach, Ca.	562-570-2787
Robert Uribe	City of Long Beach	1601 San Francisco, Long Beach, Ca.	562-570-2787
Joe Parrino	City of Montebello	311 S. Greenwood Ave.	323-887-4635
Richard Whittleseley	County of San Diego	555 Overland Ave, San Diego 92123	858 495-5455
Bryan Hawkins	City of Long Beach	1601 San Francisco, Long Beach, Ca.	562-570-2787
Ken Mann	City of Los Angeles	250 E. First St., Los Angeles, Rm 1400	213 847-2397
Thinh Dinh	City of Los Angeles	250 E. First St., Los Angeles 90012	213 847-6687
Gary Gray	County of Orange	840 N. Eckhoff St., Ste 104, Orange, Ca	714-704-7911
Chuck Luckey	Long Beach, Ca.	1601 San Francisco, Long Beach	562-570-2787
Frank Westphal	City of Pomona	P.O. Box, Pomona, Ca, 91766	909 620-2089
Mike Mockler	Los Angeles Co Mass Transit Authority	One Gateway Plaza, MS 99-08-04, L.A	213 922 3434
Garrett Mayer	Los Angeles County	1110 N. Eastern, Los Angeles 90063	323 267-2616
Gerald Cooper	Los Angeles County Sheriff's	1277 N. Eastern, Los Angeles 90063	323-267-3476
Gary Poon	Los Angeles County ISD/Comm	1110 N. Eastern, Los Angeles 90063	323-267-3004
Jaime Duenas	UCLA	741 Charles Young Dr., S. Los Angeles	310 206-7103
Ken Norton	City of San Diego	1220 Caminto Centro, San Diego	619-525-8655
Barbara Mathews	City of Simi Valley	2929 Tapo Cyn Rd, Simi Valley, Ca.	805-583-6848
Linda DeChaine	West End Communicator Authority	Rancho Cucamonga, Ca. 91730	909 466-7210
Hank Williams	M/A-COM	40 Pointe Dr. Brea, Ca. 92821	714 672-5392
Brian Dawson	M/A-COM	40 Pointe Dr. Brea, Ca. 92821	714 672-5396
Robert Stoffel	County of Orange	840 N. Echoff St. #104, Orange, CA	714 704-7919
Bud DeCamp	State of California DGS	601 Sequoia Pacific Blvd. Sacramento	916 657-9205

700 MHz Regional Planning
March 13, 2002 Meeting

NAME	AGENCY	ADDRESS	PHONE
Page 2			
Carol Biancalana	State of California EMS Authority	1930 Ninth St. Sacramento	916 322-4336
Angela Azevedo	California Highway Patrol	860 Stillwater Rd, West Sacramento	916 375-2501
Travis Williams	Los Angeles County	9150 E. Imperial Hwy, Rm V-121, Downey,	562 940-3362
John Sarkissian	County of Riverside	6147 Rivercrest Dr., Riverside, Ca. 92507	909 486-7757
Chris Sundlee	Gov's Office of Emergenc Services	4671 Liberty Ave #283, Los Angeles, Ca.	562-795-7905
Tim Peters	American Medical Respor	200 E. Del Mar Blvd. Ste 300 Pasadena, C:	626 844-1000
Bob Kovach	Newport Beach P.D.	870 Santa Barbara Dr. Newport Beach, Ca.	949 644-3793
Reza Farahmand	California Dept of Transp.	801 Grand Street, Los Angeles, Ca. 90017	213 897-4275
Roger Melton	State of California DGS	601 Sequoia Pacific Blvd., Sacramento	916 657-9132
Ron Wonh	Los Angeles County	1110 N. Eastern, Los Angeles 90063	323 267-3414
Diane Ruber	LA Co Sheriff's	1277 N. Eastern, Los Angeles 90063	323 267-2626

700 MHz Regional Planning
June 21, 2002 Meeting

NAME	AGENCY	ADDRESS	PHONE
Reginald Manuel	City of Corona	135 N. McKinley, Corona, Ca.	909 736-2228
Andy Probst	Bell PD	6326 Pine Ave, Bell, Ca. 90201	323 585-1245
Thinh Dinh	City of Los Angeles	250 E. First St. Rm 400, Los Angeles, Ca.	213 847-6686
Ken Norton	City of San Diego	1220 Caminito Centro, San Diego	619 525-8655
Jim Tucker	City of Long Beach	1601 San Francisco, Long Beach, Ca.	619 525-8656
Ed King	Long Beach	P.O. Box 731, Long Beach, Ca. 90501	562 591-8753
Joe Parrino	City of Montebello	311 S. Greenwood, Montebello 90640	323 882-4633
Bryan Hawkins	City of Long Beach	1601 San Francisco Ave, Long Beach	562 570-2787
John Sarkissian	County of Riverside	7195 Alessandro, Riverside 92506	909 924-4761
Gary Gray	County of Orange	840 N. Eckhoff St., Ste. 104, Orange, Ca.	714 704-7911
Diane Raber	Los Angeles County	1277 N. Eastern Ave, Los Angeles	323 267-2616
Carri Sabel	Long Beach Transit	1963 E. Anaheim	562 599-8527
Jason Bunch		100 N. Sepulveda Blvd., Ste. 1100	310 563-5747
Ian Telfer	Cinergy/Representing Long Beach Transit	Box 587, Sunset Bell, Ca. 90742	562 592-9475
Travis Williams	County of Los Angeles	Box 2519, Downey, Ca. 90242	562 940-3362
Frank Westphal	City of Pomona	Box 660, Pomona, Ca. 91766	909 620-2089
Alex Groza	San Diego Police Dept.	1401 Broadway MS 787, San Diego 92101	619 531-2493
Chuck Luckey	City of Long Beach Authority	1601 San Francisco, Long Beach, Ca.	562 570-3256
Jaime Duenas	UCLA	741 E . Charles Young Drive, Los Angeles	310 206-7103
Elizabeth Putrino	Azusa Police Department	725 N. Alameda, Azusa, Ca. 91702	626 812-3200
Bud DeCamp	State of California DGS	601 Sequoia Pacific Blvd. Sacramento	916 657-9205
Roger Melton	State of California DGS	601 Sequoia Pacific Blvd., Sacramento	916 657-9132
Bob Ensminger	State of California DGS	601 Sequoia Pacific Blvd. Sacramento	916 657-9100

700 MHz Regional Planning
June 21, 2002 Meeting

NAME	AGENCY	ADDRESS	PHONE
Page 2			
Barbara Mathews	City of Simi Valley Department of General Svcs	2929 Tapo Cyn Rd, Simi Ca	805 583-6848
Don Miller	City of Long Beach	1601 San Francisco, Long Beach, Ca	562 570-2787
Mike Mockler	Los Angeles Mass Transit Authority	One Gateway Plaza, Los Angeles, Ca.	213 922-3434
Preston Thornson	State of California DGS	601 Sequoia Pacific Blvd., Sacramento	916 657-9264
Glen Nash	State of California	601 Sequoia Pacific Blvd., Sacramento	916 657-9454
Ken Mann	City of Los Angeles	250 E. First St., Los Angeles, Ca.	23 847-2397
Ele Tawil	Maywood Police Departmer	4317 E. Slauson Ave, Maywood, Ca.	909 592-1459
Russ Galbreath	South Gate Police Department	8620 California Ave., South Gate, Ca.	323 563-5457

700 MHz Regional Planning
April 16, 2003

NAME	AGENCY	ADDRESS	PHONE
Ken Norton	City of San Diego	1220 Caminito Centro, San Diego Ca, 92102	619 525-8655
Robert Uribe	City of Long Beach	5580 Cherry Ave., Long Beach, Ca. 90005	562 570-4801
Frank Westphal	City of Pomona	Box 660, Pomona, Ca 91769	909 620-2089
Hank Williams	M/A-Com Wireless	1600E. Orangethorpe, Fullerton, Ca. 92831	626 918-0049
John Sarkissian	County of Riverside	6147 River Crest Dr., Riverside, Ca. 92507	909 486-7757
Richard Whittlesey	County of San Diego	5555 Overland Ave, San Diego, Ca. 92123	858 495-5455
Susan Braunsdorf	City of Glendale & ICIS	141 N. Glendale Ave, #314, Glendale, Ca	818 548-4804
Mike Mockler	Los Angeles County Co. Metropolitan Transp. Auth	One Gateway Plaza, Los Angeles, Ca. 90012	213 922-3434
Travis Williams	County of Los Angeles	9150 E. Imperial Hwy., Downey, Ca. 90242	562 940-3362
Gary Gray	County of Orange	840 N. Eckhoff St., Ste. 104, Orange, Ca.	714 704-7911
Garrett G. Mayer	Los Angeles County	1110 N. Eastern Ave., Los Angeles, Ca.	323 267-2751
Martin Lainez	City of Los Angeles	250 E. First St., Rm 1400, Los Angeles, Ca.	213 847-6688
Kenneth Mann	City of Los Angeles	250 E. First St., Rm 1400, Los Angeles, Ca.	213 847-2397
Ron Wong	County of Los Angeles	111 N. Eastern Ave, Los Angeles, Ca.	323 267-3414
Gary Poon	County of Los Angeles American Red Cross	1110 N. Eastern Ave. Los Angeles, Ca.	323 267-3414
Jaime C. Duenas	UCLA "Regents"	741 Charles Young East Drive, Los Angeles	310 206-7103
Preston Thomson	State of California DGS Telecommunications	601 Sequoia Pacific Blvd., Sacramento, Ca.	916 657-9264
Glen Nash	State of California DGS Telecommunications	601 Sequoia Pacific Blvd., Sacramento, Ca.	626 458-6983
Steve Miller	Motorola	6450 Sequence Drive, San Diego, Ca. 92121	858 404-4425
Peter Hanbuch	Motorola	6450 Sequence Drive, San Diego, Ca. 92121	858 404-4316
David Christian	Redondo Beach Police Dept	401 Diamont St, Redondo Beach, Ca. 90277	310 379-2477
David Buchanan	County of San Bernardino Department	777 E. Rialto Ave, San Bernardino, Ca.	909 387-3337

Region 5 700 MHz Committee Meeting
 January 16,2008 Riverside, CA
 Sign in Sheet

Name	Agency	Phone
Donald Root JOHN Sarkissian	San Diego Sheriff's Department County of Riverside RCIT	858-694-3903 951-486-7757
Robert Uribe Frank Westphal Ken Shearen Joe Parrino	City of Long Beach City of Pomona South Bay Regional City of Montebello	562-570-4801 909-620-2483 310-973-1802 323-887-4635
James C Donovan Doug Kerr	Orange county Carlson Wireless Technologies	714-628-7050 707-433-2477
Anna Holmes	San Diego Sheriff's Department	858.694.3210
Ken Mann Ken Norton Mark Revis Bill Shields	City of Los Angeles City of San Diego Co. of Riverside Diversified Communications Services	213-847-2397 619-525-8655 951-897-8869 562-696-9660
Todd Theilmann	Alcatel-Lucent	714-625-4889
Charles Margiotta	Day Wireless Systems	858-537-0709 ext 210
Tim Graves	State of California	916.657.9260
Mike Rowles	County of San Bernardino	909-388-5971
Sam Filippo	Alcatel-Lucent Communications	818-878-4604
Anthony Rivera	Spectrum Communications	951-371-0549
Gary Poon	County of Los Angeles	323-267-3004

Address

5555 Overland Ave., Suite 5105 San Diego, CA
92123-1250
6147 River Crest DR, Riverside, CA 92507

5580 Cherry Ave, Long Beach, CA 90805-5504
Box 660, Pomona, Ca. 91766

4440 Broadway Ave, Hawthorne, CA. 90250

311 Greenwood Ave, Montebello Ca. 90640

840 n Eckhoff st ste 104 Orange, Ca. 92868-
1021

1385 8th St. Arcata, CA 95521

5555 Overland Ave., Suite 5105 San Diego, CA
92123-1250

250 E. First St Room 1400, Los Angeles 90012

1220 Caminito Centro

1255 Chicago Ave. Riverside 92507

11944 Baker Place Santa Fe Springs 90670

3870 Mistral Drive Huntington Beach, CA 92649

8300 Juniper Creek Suite 100

San Diego Ca 92216

601 Sequoia Pacific Blvd, Sacramento 95811

670 E Gilbert St, San Bernardino, CA 92415

26801 Agoura Rd. Calabasas CA. 91301

226 North Lincoln Avenue Corona, Ca, 92882

1110 N Eastern Av., Los Angeles, CA 90063

Appendix C

Meeting Notices and Minutes

**Region 5 Southern California
700 MHz/4.9 GHz Regional Planning Committee
Public Safety 700 MHz Meeting Minutes**

Chair: David Buchanan
Vice Chair: Don Root
Secretary: Gary Poon

Date: October 30, 2008
Time: 10:00 AM

Location: Orange County Fire Authority (OCFA)
1 Fire Authority Road,
Irvine, CA 92602

Attendees: Ref. Sign-In Sheet (24)

1. The meeting began about 10:05A.M. The Chair, Mr. Buchanan, stated that this is a formal meeting and it requires membership to vote on the revised Southern California 700 MHz Regional Plan (“the Plan”) which included the updated Frequency Allotment Charts. Each public safety agency large or small, whether it is the State of California or a small city in Southern California Region, entitles one vote to ensure that even a small agency will have a voice in the process. For the Plan to be approved, a consensus must be reached by all voting members. The Chair also gave a brief history of the Plan. The Southern California 700MHz Regional Plan was the first submitted and approved by the Federal Communications Commission. It was used as model for many other regions in the County. The original frequency allotment was intended to augmenting existing 800MHz systems in operation from many public safety agencies. Since the FCC’s last Report and Order and shift of the 700MHz spectrum by the Commission, the Southern California 700 MHz Regional Plan needs to be modified to conform to the new FCC rulings. Agencies such as San Diego County and City in the boarder area will also be impacted by the final agreement made between the U.S. and Mexico.

2. The Chair also noted that prior to use of the 700MHz spectrum by public safety agencies, a notification to low-power broadcast stations operate on the same spectrum within 150 miles radius will minimize potential RF conflicts.
3. Mr. Howard Fine from Southern California Broadcast Frequency Coordination Committee gave a brief history on the low-power translator stations that share the 700MHz spectrum and their potential adverse effects on public safety systems. He also warned the public safety communities of the wireless non-licensed microphones. These microphones potentially operated on Channel TV62, 63, 64, 68, 69 with bandwidth up to 200 KHz and output power of 0.5 watts could affect public safety voice communications.
4. The Chair also noted that since the last approval of the Plan by the FCC, the State of California has decided to “give-up” its general use channel allotment total 120 (6.25 KHz narrow band) channels. Due to budget crisis and political issues faced by the State of California, it has no intention to implement the PRISM(?) system with the original channel allotment. The State Emergency Medical Services Authority also has no plan at current time to implement 700 MHz system with the 24 narrow band channels.
5. Copies of the Frequency Allotment Charts and the Regional Plan were distributed to attendees. No major changes to the Plan were made as noted by the Chair. Only minor wording corrections. Vice-Chair Mr. Roots noted the verbiage on California Interoperability Executive Committee (CalSIEC) which will take the lead on state level planning were added to the Plan.
6. The County of Riverside has requested additional and modified the existing allotment for its Public Safety Enterprise Communications System (PSECS) that will operate exclusively on 700 MHz. The County of Riverside intends to relinquish its 800MHz spectrum once the system is implemented.
7. Additional requests for channel allotment also received from various agencies in the Los Angeles basin stated by the Chair. The Regional Planning Committee will try to accommodate the additional needs once channels are available; most likely after the approval of the Plan by the FCC.
8. The Chair also emphasized that the existing channel allotment is intended for voice and narrow band, low-speed, data operation. Agencies or projects such as the LA-RICS require extensive data operations should look into the “D” Block spectrum to be auctioned by

the Commission for a nationwide public safety and private commercial partnership broadband data network.

9. The Chair asked for agencies that may have immediate implementation of 700MHz systems. Agencies included Riverside County for PSECS, City of Los Angeles for voice systems, and City of San Diego for small scale voice system all shown interest.
10. The Chair stated that it is the Committee's goal to clean up current Plan and submitted to the Commission for final approval before February, 2009 to allow agencies that have immediate need to license on the 700 MHz allotted frequencies.
11. Mr. Gary Gray asked about the Mexico Boarder issue. Vice-Chair, Mr. Don Root, noted that there is no new agreement reached since 2006. Mr. Root gave a brief summary which also is shown on Frequency Allotment Charts as to the U.S. and Mexico's primary channels assignment based on the current protocols.
12. There were discussion and concern of priority on funding to frequency assignment as stated in Section 5.2 of the Plan by Mr. Ken Norton of City of San Diego. Also, repetition of wordings in Section 5.2 and 8.5 of the Plan was discovered by Mr. Glen Nash of State of California.
13. The Chair puts off the plan issues and asked for a motion to approve the Frequency Allotment Charts as revised. Mr. Joe Parrino of City of Montebello motioned for an approval, and Mr. Ken Shearen of SBRCAs seconded the motion. The Spectrum Allotment was approved as updated without objection.
14. Mr. Mel Sample of CAD tar Inc. gave a brief summary of frequency request from Los Angeles Airports (LAX, Van Nuys, and Ontario). The proposed spectrum needs require sixteen (16) channels (of 6.25 KHz bandwidth) for LAX for 3000 units of airport police and related operation; eight (8) channels for Van Nuys; and eight (8) channels for Ontario. Channels assignment with re-used maybe possible due to physical separation of the airports.
15. The Chair ask for editorial right to change wordings such as funding requirement in Section 5.2 and correct repetition words in Section 5.2 and 8.5 of the Plan. He asked the membership to vote on the Plan.
16. Mr. Joe Parrino again motioned for approval. Mr. Ken Shearen seconded the motion. All members in the meeting gave a consensus approval for the Plan with authority for minor editorial changes given to the Chair.
17. The next Work Group meeting is scheduled on January 14, 2009 at 1:00 P.M.

18. A formal 700MHz Regional Planning meeting is scheduled March 4, 2009 at 10:00 A.M. for a formal voting of Chair. Mr. Buchanan expressed interest to resign the Chair position at that time.
19. Meeting was adjourned about 11:15 A.M.



January 14, 2008

Mr. David Buchanan, Chair
Regional Planning Committee
7445 Palm Avenue
Highland, CA 92346

Dear Mr. Buchanan:

Region 5 – 700 MHz Plan

At a Region 700 MHz Regional Planning Committee (RPC) Spectrum Workgroup meeting in 2001, the State of California requested and was allocated use of 120 “General Use” 6.25 kHz – 700 MHz channel pairs. These 120 channel pair were in addition to certain other spectrum identified as “State License” spectrum. Those 120 channels are highlighted in yellow in the attached FCC approved Region 5 Frequency List.

This letter is to inform you that the state hereby withdraws its request for the subject 120 channel pairs.

Should you have any questions concerning this matter, please contact Mr. James Kirstein, Senior Telecommunications Engineer at (916) 657-6130 or by e-mail at james.kirstein@dgs.ca.gov.

Sincerely,

GARY R. Grootveld, Chief
Office of Public Safety Communications Services

JK:GRG:rs:Reg 5 700 MHz plan.doc

Attachments

cc: James Kirstein, P.E. Senior Telecommunications Engineer, Department of
General Services, Telecommunications Division, FCC Unit

Region 5 Southern California 700 MHz Region Planning Committee

Chair: David Buchanan
Vice Chair: Garrett Mayer
Secretary: Gary Poon

Date: January 16, 2008
Time: 1:00 p.m.
Location: 1855 Chicago Av., Riverside, CA 92507

Attendees: Ref. Sign-In Sheet

1. Chairman David Buchanan called the meeting to order at 1:20 p.m. to give time to attendees for computerized sign-in. He noted that he received three letters from Southern California Public Safety agencies. In the first letter, the County of Riverside addressed the potential deployment of 700MHz systems by February 2009. In the second letter, County of Riverside explained its new radio (PSEC) system and request for additional 42 narrowband voice channels and four (4) standard 25 KHz channels for data operations. In the third letters, the Interagency Communications Interoperability System (ICIS) is requesting twelve (12) voice channels and four (4) data channels for a gateway to its existing 800 MHz ICIS systems. All these request will be on hold until after the regional plan is modified.
2. State of California is in the process of give-up 120 General Use channels in the 700 MHz voice spectrum. This allotment will be available for new assignment when an official letter from the State of California is received on releasing the spectrum.
3. There were discussions made on San Diego County and Imperial County shared use of frequencies by Mr. Don Roots of County of San Diego.
4. Mr. Ken Mann of City of Los Angeles has shifted the channel assignment without changing the approved allotment to each agency to conform to the new FCC Band Plan. Copies were available to the meeting attendees. The attendees voted and unanimously approved to ratify the amended frequency shift. The Chairman asked for editorial rights to remove channel allotment to the State of California if he received the letter from the State of California prior to filing of plan changes. He also noted that this is not the final plan due to additional changes maybe necessary pending for final resolution of boarder frequency assignment between the United States America and Mexico government.
5. As part of the meeting agenda, the RPC elected a Vice-Chair to replace Mr. Garrett Mayer who has since retired from Public Safety Services. Three

candidates were nominate by the attendees – Mr. Donald Root (of San Diego County), Mr. Mark Revis (of Riverside County), and Mr. Ken Mann (of City of Los Angeles). With majority vote and final consensus from committee members, Mr. Donald Root was elected for Vice-Chair of the Southern California 700 MHz Regional Planning Committee.

6. Mr. David Buchanan intends to serve as the Chairman until February, 2009 to ensure that the regional plan are finalized and public safety agencies in Southern California are ready for 700 MHz spectrum use. At that time, a new Chair will be elected for replacement.
7. With inputs from the floor, the Southern California Region Committee has set deadline to finalize its regional plan by October, 2008 pending for final resolution of border issues between United States of America and Mexico.
8. Discussions were made on our existing frequency packing and assignment. The Southern California spectrum were pack more tightly resulted from experience from 800 MHz NPSPAC use in comparison to automated packing by CAPRAD program. Southern California region will continue to monitor and evaluate new tools available for spectrum reuse and packing. Specifically, the committee will evaluate the New York State's engineering tool made available through Syracuse Research Institute. The committee will also review any available standards such as TSB-88.
9. The Chair noted that with the committee's approval, he will provide concurrence to the adjacent Nevada and Arizona Sates Plans (these regions have not made any changes on their plans due boarder issues) with condition of review when data is available.
10. The Chair also conducted an informal evaluation of early deployment of 700 MHz systems. Agencies included City of Riverside, Orange County, San Diego County, ICIS and San Bernardino County continues to show interest.
11. A workgroup meeting is scheduled on March 19, 2008, 1:00 to 3:00p.m. in the same location is Riverside County. Without further new business from the floor, the meeting was adjourned at 2:40p.m.

700 MHz Regional Planning Committee – Region 5
Southern California

Notice of First Meeting

The first meeting of the 700 MHz Regional Planning Committee – Region 5 (RPC) will be held as noted below:

Date Thursday September 2, 1999
Time 1:00 PM
Location Board of Supervisors Chambers
 County Government Center
 385 North Arrowhead Ave.
 San Bernardino, CA 92415-0110

This meeting is open to all interested Public-Safety Agencies. The Federal Communications Commission in Docket FCC 98-191 requires a Regional Plan be developed before the public-safety spectrum in the new 700 MHz band can be licensed.

Agenda:

1. Introduction and overview of the regional planning process
2. Election of a Regional Chairman
3. Adoption of Operating Procedures
4. Formation of working groups.

For more information contact:

David Buchanan, Convener
County of San Bernardino
1743 Miro Way
Rialto, CA 92376
909-356-2356
dbuchanan@isd.co.san-bernardino.ca.us

Directions:

From I-10 west or east exit Waterman Ave. (just east of interchange with I215) go north to 4th street. Then turn left and continue until 4th dead ends at the Government Center.

**Region 5 700MHz Public Safety Planning Committee
Committee Meeting**

September 2, 1999

Minutes

Meeting called to order at 13:00 hours by David Buchanan, Convenor

Overview

David Buchanan presented an overview of the 700 MHz band rules and the Regional Plan process. Glen Nash provided an overview of the National Coordination Committee process and on going work.

Election of Chairperson

Nominations were called for election of a chairperson. David Buchanan was nominated. Gary Gray made motion and second by Bryan Hawkins. No other nominations were received. The vote was unanimous for David Buchanan. David Buchanan continued to chair the meeting.

Adoption of Operating Procedures

After discussion, motion made by Chuck Luckey and second by Travis Williams to adopt the following: Operate using the latest Robert's rules of Order. The group will try to reach a consensus on all issues. If all parties cannot reach a consensus decision on an issue then a vote will be taken. Each jurisdiction has a vote and a ¾ majority is required to pass.

Formation of working groups

After discussion, the group decided on three working groups, with others later if required.

1. Drafting Group
2. Spectrum Issues Group
3. Operations Issues Group

These groups will begin work after the first of the year.

Other Business

After discussion, the group decided to open a filing window for requests for channels. This window is to run until January 1, 2000.

Meeting Adjourned

Notice of the Second Meeting Region 5 700MHz Public Safety Planning Committee

The Meeting will be held on June 21, 2000 starting at 10:00 AM in Long Beach, CA.

Address and Directions:
Long Beach City Library
101 Pacific Ave.
Long Beach, CA

From the southbound 710 FWY go to Broadway and then east on Broadway to the Civic Center. Parking is in the Public Parking Structure. The Library is southeast of the parking structure. See the included Maps.

Agenda

1. Approve minutes of 1st meeting.
2. Review NCC progress
3. Review requests for spectrum and ask for any new or missed requests.
4. Form workgroups to develop the regional plan.
5. New Business

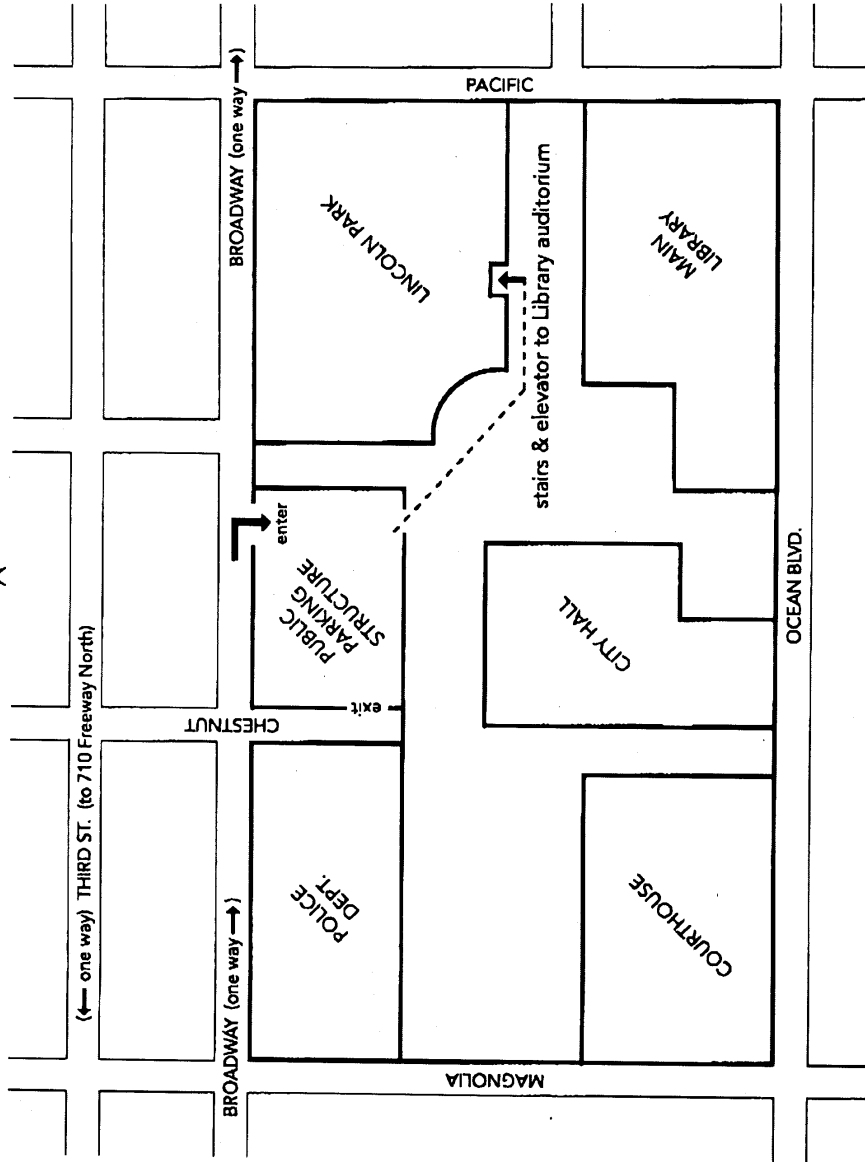
All interested parties wishing to participate in the planning for use of new public safety spectrum in the 700 MHz band should plan to attend. For further information please contact:

David Buchanan, Chairperson
Region 5 700MHz Public Safety Planning Committee
777 E. Rialto Ave.
San Bernardino, CA 921415-0740

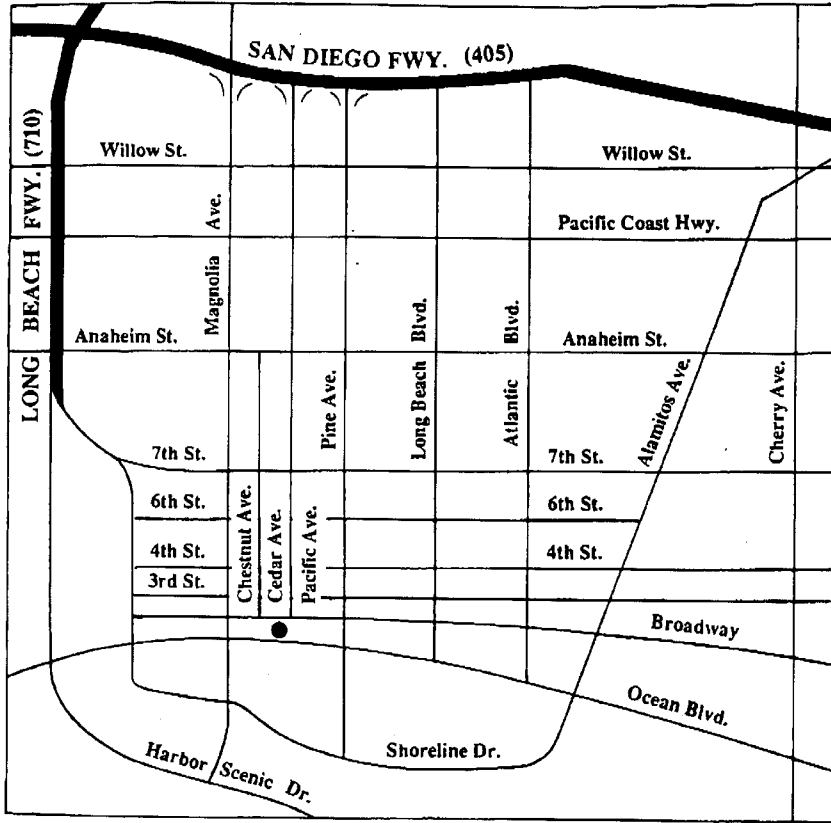
LONG BEACH CIVIC CENTER

map not to scale

NORTH



LONG BEACH PUBLIC LIBRARY
101 Pacific Avenue



LONG BEACH PUBLIC LIBRARY
101 Pacific Avenue

Parking is available in the municipal parking structure located on the south side of Broadway at Cedar Avenue.

Downtown streets are one-way. Broadway runs east off the Long Beach Freeway (710); Third Street runs west onto the Long Beach Freeway.

Region 5 700MHz Public Safety Planning Committee Committee Meeting

June 21, 2000

Minutes

Meeting called to order at 10:00 hours by David Buchanan, Chairperson

Approve Minutes

The minutes of the September 21, 1999 meeting were approved, motion by Chuck Luckey and Second by Joe Parrino.

Review NCC Progress

David Buchanan presented a review of the decisions made to date by the NCC committee. Discussions and questions followed. Glen Nash who chairs the NCC Technical Subcommittee also contributed to the update.

Review Requests for Spectrum

Attendees were invited to confirm their requests were in the file maintained by the Chair to insure no requests were lost or not received. Discussion followed on the filing window. It was noted that for various reasons agency requests were received after the January 1, 2000 cutoff date. A motion was made and passed by Gary Gray and second by Mike Mockler to accept those filings and to extend the window to January 1, 2001. The Committee wants to insure all interested agencies have a chance to file.

Form Workgroups to develop the Plan

At the first meeting the group decided to create three working groups to develop the plan. They are with the chairs:

1. Drafting group – Chair Travis Williams, County of Los Angeles
2. Spectrum issues group – Chair Mehrdad Larijaniha, City of Los Angeles
3. Operations issues group – Chair Bryan Hawkins, City of Long Beach

Signup sheets were passed out for individuals to be members of the groups. The chairs will begin work on their parts of the plan. Progress will be reviewed at the next Committee meeting.

New Business

The timing of future meetings was discussed and a decision was made to hold an informal meeting in the fall to update progress and decisions of the NCC and FCC. The next formal meeting of the committee will be held after the first of the year.

Notice of the Third Meeting Of the Region 5 700 MHz Regional Planning Committee

This is an important meeting for all interested persons. The agenda includes voting on approval of the draft regional plan. If approved the plan will be submitted to the FCC for their approval.

Agenda:

1. Nominations and voting for Vice-chairperson and Secretary of the committee.
2. Vote on approval of the draft plan.

Meeting Location:

Orange County Communications
840 N. Eckhoff St. Suite 104
Orange, CA 92868-1021

Date – March 13, 2002
Time – 10:00 am To 12:00 pm

Copies of the plan are available on the internet at www.cpra.org in the resources section. They are also available by contacting:

David Buchanan, Chairperson
Region 5 700 MHz Regional Planning Committee
County of San Bernardino Network Services
777 E. Rialto Ave.
San Bernardino, CA 92415-0740

Phone 909-387-3337

**Region 5, 700 MHz Planning Committee
Third Meeting Minutes**

Date: 13, March 2002

**Location: Orange County Communications
840 North Eckoff Street, Suite 104
Orange, CA 92868-1021**

Chairperson: David Buchanan

Chairperson, Dave Buchanan, opened meeting at approximately 10:00 am Pacific Standard Time. Attendees signed the Committee log-sheets.

Minutes from last meeting (June 21, 2002)

The meeting minutes from the last meeting were approved as written.

Position of Vice-chairperson

The first order of business was the election of the Vice-chairperson. A motion was made by Bill De Camp, State of California and was seconded by Joe Parrino, City of Montebello nominating Garrett Mayer, County of Los Angeles, to the position of Vice-chairperson. A vote taken of all participating members of the committee confirmed the election of Garrett Mayer as the Vice-chairman. Congratulations to Garrett.

Position of Secretary

The second order of business was the election of the Committee's Secretary; A motion was made by Travis Williams, County of Los Angeles to elect Chuck Luckey, City of Long Beach, for the position of Secretary. Joe Parrino seconded the motion, City of Montebello and a vote of the participating members confirmed the election of Chuck Luckey to the position of Secretary.

Wide-band Working Group

A Working Group session open to all, to address the wide-band 700 MHz data channel allocations/assignment was discussed and planned for Wednesday, June 19, 2002. The Time will be at 10:00 AM PST. The location of the meeting will be at Orange County Communications Offices, 840 North Eckoff Street, Suite 104.

Narrow-band Frequency Allotment

A review and discussion of the proposed narrow band, frequency allotment-plan followed.

A motion to accept the plan was made by Garrett Mayer and seconded by Gary Gray, County of Orange.

San Diego raised concerns regarding potential over the water radio frequency levels from the City of Long Beach.

Long Beach also expressed concerns about the extra cost of engineering that may be required for the protection of their system from the City of San Diego.

Further discussion pointed out that LA County, also co-channel with the City of San Diego, is as much a potential threat as City of Long Beach. LAMTA was discussed as a co-channel member. It was decided that the Cities of Long Beach and San Diego will work together to mitigate the potential. The Chair's remarks were that it is prudent for all members to take special measures to mitigate any potential interference during the systems planning and engineering phase.

Simi Valley requested to be moved from their assigned block and will be moved down one block.

Editorial corrections are needed on the low power channels assigned to "Base Fire" and "Mobile Law". A revised frequency list will be re-issued with the appropriate changes. The revised list will be posted on the CPRA website.

The Committee approved the frequency allotment plan at 11:10 AM, with changes above on motion by Gary Gray, second by Garrett Mayer. The Regional Plan was approved for submission to the FCC pending editorial discretion by the Chair on motion by Garrett Mayer and second by Gary Gray. There was unanimous support for the motion.

Next meeting of the Regional Committee will be announced

The Meeting was adjourned.

**Region 5 Southern California
700 MHz Planning Committee
Notice of 4th Meeting**

The region 5 Southern California 700 MHz Regional Planning Committee will hold a 4th meeting on April 16, 2003 at 10:00 am. The meeting will be located at:

Orange County Communications
840 N. Eckhoff St. Suite 104
Orange, CA 92668-1021

For any questions or concerns please contact:

David Buchanan, Chairman
Region 5 700 MHz Regional Planning Committee
County of San Bernardino, Network Services
777 E. Rialto Ave.
San Bernardino, CA 92415-0740

Voice 909-387-3337
Fax 909-387-8859
Email dbuchanan@isd.sbcounty.gov

Meeting Agenda

1. Elect new Secretary (Note – Chuck Luckey resigned due to moving out of the region)
2. Review FCC letter dated December 30, 2002
3. Request input from Indian Tribes
4. Approve inter-region agreements.
5. Public Comment

Region 5 Southern California
700 MHz Planning Committee
Meeting Minutes
(4th Formal Meeting)

Chair: David Buchanan
Vice Chair: Garrett Mayer

Date: April 16, 2003
Time: 10:00 AM

Location: Orange County Communications
840 N. Echhoff St., Suite 104
Orange, CA 92668-1021

Attendee: See attached Sign-In Sheet

1. Mr. David Buchanan, Chairman, distributed the meeting agenda. The objective of the meeting is to 1.) Elect a new Secretary, 2.) Review FCC letter dated December 30, 2002, 3.) Request inputs from Indian Tribes, 4.) Approve inter-region agreements, and finally 5.) Open for public comment.
2. To replace Secretary Chuck Luckey who resigned due to moving out of the region, the Chairman opened the floor for secretary nomination. Nominated candidates were Ms. Susan Braunsdorf of City of Glendale and Mr. Gary Poon of County of Los Angeles. Gary Poon was elected with majority votes.
3. To satisfy Indian outreach program as noted in FCC letter dated December 30, 2002, the Chairman noted that he has sent letters to all Indian Tribes with identifiable mailing addresses. Few responded.
4. Northern California Committee in reviewing the 700 MHz Plan has concern of 25 KHz voice channel assignment (which is an aggregate of two 12.5 KHz channels) that may lead to unused "orphan" frequencies in small geographical area implementation. Since no specifics are available, this issue is deferred for future plan amendment.
5. Glen Nash of State of California informed the group on State OES Emergency Plan relative to 700 MHz Regional Plan.
6. Mr. Gary Gray of Orange County distributed copy of the Inter-Regional Coordination Procedures. Discussions were made regarding 70 miles distance requirement on adjacent regions border coordination requirement versus NCC's service area plus three (3) miles requirement.

7. Mr. Garrett Mayer of County of Los Angeles introduced a motion to approve the amended Plan and the Inter-Regional Coordination Procedures. Mr. Mike Mockler of MTA seconded the motion. Members unanimously approved the coordination agreement with the added 70 miles distance requirement due to unique geographical terrains in the Western United States.
8. Future review and approval of adjacent regional Plans will be through the elected committee Chair, Vice Chair, Secretary and with joint advice from Mr. Gary Gray of Orange County (who is also the local CPRA Frequency Advisor.) However, all members will have an opportunity to review and comment on plan approvals via e-mail notification. Motion to finalize this procedure was introduced by Mr. Garrett Mayer and seconded by Mr. Mike Mockler. Members unanimously approved.
9. Mr. Glen Nash of State of California, who is in the NCC Technical Committee for 700 MHz Plan, updated the group on Standards for Interoperability Wideband Data Channel. Preliminary Standards called for a 50 KHz bandwidth channel with expandable upto 150 KHz. Scalable Adaptive Modulation (SAM) is the preferred modulation scheme. More information on the standards will be available in July 2003.
10. Chairman David Buchanan summarized the actions taken on the agenda items. He stated that all approved changes will be incorporated in the Region 5 Southern California 700 MHz Plan for final re-submission to the FCC.
11. Next Work Group (non-formal) meeting is scheduled August 27, 2003 with focus on wide band data. Location and specifics will be published in CPRA ComLink and web page at <http://www.cpra.org>.
12. With no further action or comment from members, the meeting was adjourned about 11:47AM.



CPRA is a Chapter of
Association of Public Safety
Communications Officials

**700 MHz Regional Planning Committee
Region 5 Southern California**

NOTICE OF FIRST MEETING

The first meeting of the 700 MHz Regional Planning Committee – Region 5 (RPC) will be held as noted below:

DATE Thursday September 2, 1999
TIME 1:00 PM
LOCATION Board of Supervisors Chambers
County Government Center
385 North Arrowhead Ave.
San Bernardino, CA 92415-0110

This meeting is open to all interested Public-Safety Agencies. The Federal Communications Commission in Docket FCC 98-191 requires a Regional Plan be developed before the public-safety spectrum in the new 700 MHz band can be licensed.

AGENDA

1. Introduction and overview of the regional planning process
2. Election of a Regional Chairman
3. Adoption of Operating Procedures
4. Formation of working groups.

For more information contact:

David Buchanan, Convener
County of San Bernardino
1743 Miro Way
Rialto, CA 92376
909-356-2356
dbuchanan@isd.co.san-bernardino.ca.us

DIRECTIONS

From I-10 west or east, exit Waterman Ave. (just east of interchange with I-215). Go north to 4th Street. Then turn left and continue until 4th dead ends at the Government Center.

**1999 CommLink Article
Cut-Off Dates**

- | | |
|--------------------|--------------------------------|
| August 9 | for the August issue |
| August 30 | for the September issue |
| October 4 | for the October issue |
| November 1 | for the November issue |
| November 22 | for the December issue |

*Remember to send articles to
Danitalc@aol.com*

**CPRA 1999
Board of Officers**

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City Of Long Beach
Phone (562) 570-2787 • Fax (562) 570-2809

President Elect
ANNETTE ALLEN
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Operations Committee Chair
ROBERT A. STOFFEL
Phone (714) 704-7919 • Fax (714) 704-7902

Commercial Chair
JACK DANIEL
The Jack Daniel Co.
Phone (800) NON-TOLL • Fax (909) 980-5226
Frequency Advisory Committee Chair

GARY DAVID GRAY
Orange County Communications
Phone (714) 704-7911 • Fax (714) 704-7902

Co Chair
DAVID BUCHANAN
San Bernardino County
Phone (909) 356-2356 • Fax (909) 356-3915

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National Legislative Network Delegate
LYNN DIEBOLD
CHP-LACC
Phone (831) 796-3580 • Fax (562) 904-7314

Regulatory Affairs Committee
TRAVIS WILLIAMS
Los Angeles County - ISD
Phone (562) 940-3362 • Fax (562) 803-1574

GP- _____ - LOMPOC - NEW DATA SYSTEM - 856.7625 MHz FB2/FB 20K0F1D emission 100 watts 5.0 dBd gain omni ant. 21.9 m high @ 59.0 m AMSL CTCSS none ERP 199.5 watts HAAT -87.9 m.

Also 811.7625 MHz MO (50), same as above, except 45 watts ??? dB gain ant. ERP 85 watts area of operation 30.0 km radius.

777 E. Rialto Ave.
San Bernardino, CA 92415-0740

Voice 909-387-3337
Fax 909-387-8859

Email dbuchanan@isd.sbcounty.gov

communications Maintenance Center, (323) 267-2753 or email lchaira@isd.co.la.ca.us

Announcements

Mark your calendar!

Everyone is invited to the February 20th CPRA Meeting which will be held at Talley Communications' new Corporate Headquarters in Santa Fe Springs.

Talley built a training room into this new facility that will be perfect for our meeting. Please RSVP to Bryan Hawkins at brhawki@ci.long-beach.ca.us so our lunch count is accurate. Directions to Talley's new facility can be found at www.talleycom in the "more info" section.

Talley is celebrating their 20th year in business this year! They have supported CPRA and APCO events for two decades. They continue to grow and better provide for their markets each year. The latest is Talley's new Corporate Headquarters in Santa Fe Springs. They doubled the size of their previous building with the 80,000 square foot facility they purchased and customized last year. A tour of their facility will be held at the end of the meeting.

This month's speaker sponsored by Talley is Sergeant Dean Zanone with the City of Seal Beach Police Department. His presentation should not be missed.

Region 5 Southern California 700 MHz Planning Committee Notice of 4th Meeting

The region 5 Southern California 700 MHz Regional Planning Committee will hold a 4th meeting on April 16, 2003 at 10:00 am. The meeting will be located at:

Orange County Communications
840 N. Eckhoff St. Suite 104
Orange, CA 92668-1021

For any questions or concerns please contact:

David Buchanan, Chairman
Region 5 700 MHz
Regional Planning Committee
County of San Bernardino, Network Services

Meeting Agenda

- ◆ Elect new Secretary (Note - Chuck Luckey resigned due to moving out of the region)
- ◆ Review FCC letter dated December 30, 2002
- ◆ Request input from Indian Tribes
- ◆ Approve inter-region agreements.
- ◆ Public Comment

HQ Report

No HQ report this month. A full report to follow in next month's CommLink after the "Midyear Exec Council Meeting" in Las Vegas.

Retirees

Lt. Larry Schwartz of the Los Angeles County Sheriff Department is retiring on March 3, 2003. The retirement luncheon will be at SCC (1277 N. Eastern Ave, Los Angeles) at 1130 hours. The cost is \$15.00 per person that includes food and gift.

Those interested in attending should contact Sgt. Alfred Ortega, no later than February 17, 2003, at the Sheriff's Communications Center, (323) 267-2599 or email adortega@lasd.org

Branch Manager, Farid Khalil of the Los Angeles County Internal Services Department is retiring on March 13, 2003. The retirement luncheon will be at Quiet Cannon-Laguna Room (901 N. Via San Clemente, Montebello) at 1130 hours. The cost is \$25.00 per person that includes food and gift.

Those interested in attending should contact Erlinda Chaira, no later than March 3, 2003, at the ISD Telecommuni-

2003 Meeting Dates

January 16th
Ontario

February 20th
Santa Fe Springs
(Talley Communications)

March 20th
Available

April 17th
Buena Park
Annual Dispatcher Banquet

May 15th
Available

June 11th - 13th
Annual North-South Meeting

July 17th
Available

August 21st
Available

September 18th
Available (Annual No Ties)

October 16th
Montebello (Annual Tabletop Meeting)
November 20th
Available (Administrator's Day)

December 12th
Available (Officer Installation Banquet)



Appendix D

Tribal Information

January 27, 2003

RE: Public Safety Radio Spectrum

Dear Tribal Leader,

The Federal Communications Commission (FCC) in Docket 96-86 allocated 24 MHz of spectrum in the 700 MHz band for public Safety use. As part of the rules for use the FCC is requiring a Regional Plan to be developed. Region 5 is the Southern California Region and covers the Counties of San Louis Obispo, Santa Barbara, Kern, Ventura, San Bernardino, Riverside, Los Angeles, Orange, San Diego and Imperial. If you have any unmet spectrum needs or any interest in planning for this spectrum use, you should send a representative to the next Regional Plan Meeting or contact me.

The next meeting will be held on April 16, 2003 at 10:00 am. The meeting will be located at:

Orange County Communications
840 N. Eckhoff St. Suite 104
Orange, CA 92668-1021

My contact information is:

David Buchanan, Chairman
Region 5 700 MHz Regional Planning Committee
County of San Bernardino, Network Services
777 E. Rialto Ave.
San Bernardino, CA 92415-0740

Sincerely,
David Buchanan
Chairperson, Region 5

Notice to Indian Tribes

Agua Caliente Band of Cahuilla Indians
600 East Tahquitz Canyon Way
Palm Springs, Ca.

Agustine Band of Mission Indians (Cahuilla)
P.O. Box 846
Coachella, Ca. 92236

Barona Rancheria
Kumeyaay (Diegueno)
1095 Brona Road
Lakeside, Ca. 92040

Big Bend Rancheria
Pit River (Achomawi)
Post Office Box 1570
Burney, Ca. 96013

Big Pine Band of Owens Valley
Paiute-Shoshone
Post Office Box 700
Big Pine, Ca. 93513

Big Sandy Rancheria
Western Mono (Monache)
PO Box 337
Auberry, Ca. 93602

Blue Lake Rancheria
Wiyok, Yurok, Hupa
Post Office Box 428
Blue Lake Ca. 95525

Cabazon Band of Mission Indians
Cahuilla
84-245 Indio Springs Pkwy
Indio, Ca. 92203

Cachil Dehe Band of Wintun Indians
3730 Hwy. 45
Colusa, Ca. 95932

Notice to Indian Tribes

Cahuilla Band of Mission Indians
Post Office Box 391760
Anza, Ca. 92539-1760

California Indian Council/Lulapin
2841 Los Feliz
Thousand Oaks, Ca. 91362

Campo Band of Kumeyaay Indians
Kumeyaay (Diegueno)
36190 Church Road, Suite 1
Campo, Ca. 91906

Chemehuevi Tribal Council
PO Box 1976
Havas Lake, Ca. 92363

Capitan Grande Reservation
Kumeyaay (Diegueno)
Alpine, Ca. 92001 (no inhabitants)

Chukchansi Yokotch Tribe
PO Box 329
Raymond, Ca. 93653

Chumash Council of Bakerfield
1317 S. Chester Ave.
Bakersfield, Ca. 93304

Cloverdale Rancheria of Pomo Indians
555 S. Cloverdale Blvd., #1
Cloverdale, Ca. 95425

Coastal Band of Chumash
4093 Draco Dr.
Lompoc, Ca. 93436

Cold Springs Rancheria
Post Office Box 209
Tollhouse, Ca. 93667

Costanoan Rumsen Carmel Tribe
3025 E. Brookside Ct.
Ontario, Ca. 91761
Cecilia L. Arche

Notice to Indian Tribes

Costanoan Rumsen Carmel Tribe
3929 Riverside Dr.
Chino, Ca. 91710

Costanoan Band of Carmel Mission Indians
P.O. Box 1657
Monrovia, Ca. 91016

Costanoan, Ohlone, Mustsun-Rumsen
110 Dick Phelps Rd.
Watsonville, Ca. 95065
Patrick Orozco

Coyote Valley Band of Pomo Indians
Post Office Box 39
Redwood Valley, Ca. 95470-0039

Cuyapaipe Band of Mission Indians
Kumeyaay (Diegueno)
4054 Willows Road
P.O. Box 2250
Alpine, Ca. 91903-2250

Dunlap Band of Mono Indians
P.O. Box 344
Dunlap, Ca 93621
Florence Dick

Elem Indian Colony of Pomo Indians
(Sulphur Bank Rancheria)
P.O. Box 1968
Clearlake Oaks, Ca. 95423

Elk Valley Rancheria
Tolowa
Post Office Box 1042
375 Wyentae Street
Crescent City, Ca. 95531

Estom Yukema Maidu
Oroville, Ca 99481

Esselen Tribe of Monterey County
1024 Chippendale Way
Roseville, Ca. 95661

Notice to Indian Tribes

Fort Bidwell Indian Community of Paiute Indians
Post Office Box 129
Fort Bidwell, Ca. 96112

Fort Mohave Tribe
Mohave
500 Merriman Avenue
Needles, Ca. 92363-(actual location is in AZ)

Gabrielino/Tongva Tribal Council
727 S. Calvados
Covina, Ca. 91723

Gabrielino/Tongva Tribal Council
P.O. Box 693
San Gabriel, Ca. 91776

Habermatolel Upper Lake Pomo
Post Office Box 516
Upper Lake, Ca. 95485

Hopland Band of Pomo Indians
Post Office Box 610
Hopland, Ca. 95449

Inaja & Cosmit Band of Mission Indians
Ramona Band of Cahuilla Indians
1040 East Valley Parkway, Unit A
Escondido, Ca. 92025

Jamul Band of Mission Indians
Kumeyaay (Diegueno)
Post Office Box 612
Jamul, Ca 91935

Juaneno Band of Mission Indians (84-A)
31411-A La Matanza St.
San Juan Capistrano, Ca 92675-2674

Juaneno Band of Mission Indians (84-B)
P.O. Box 25628
Santa Ana, Ca. 92799

Kern Valley Indian Community
P.O. Box 168
Kernville, Ca. 93238

Notice to Indian Tribes

La Jolla Band of Luiseno Indians
22000 Highway 76
Pauma Valley, Ca 92061

La Posta Band of Mission Indians
Kumeyaay (Diegueno)
P.O. Box 1048
Boulevard, Ca. 92905

Lone Pine Community of Paiute-Shoshone Indians
P.O. Box 757
Lone Pine, Ca. 93545

Los Coyotes (Rancheria) Band of Mission Indians
Cahuilla & Cupeno
Post Office Box 249
Warner Springs, Ca. 92086

Manzanita Band of Mission Indian
Kumeyaay (Diegueno)
Post Office Box 1302
Boulevard, Ca. 91905

Mesa Grande Band of Mission Indians
Kumeyaay (Diegueno)
P.O. Box 270
Santa Ysabel, Ca 92070

Middletown Rancheria of Pomo Indians
Post Office Box 1035
22223 Hwy 29 @ Rancheria Rd
Middletown, Ca 95461

Mishkananka (Chumash)
2125 Channel Dr.
Ventura, Ca. 93001

Miwok Tribe
P.O. Box 1433
Guernville, Ca. 95546

Mono Lake Indian Community
P.O. Box 237
Lee Vining, Ca 93541

Notice to Indian Tribes

Mooretown Rancheria of Maidu Indians
P.O. Box 1842
1 Alverda Drive
Oroville, Ca. 95966

Morong Band of Mission Indians
Cahuilla, Serrano & Cupeno
11581 Potrero Road
Banning, Ca 92220-2965

Native Cultures Institute of Baja California
P.O. Box 122229
Chula Vista, Ca. 91912

North Fork (Rancheria) Band of Mono Indians
P.O. Box 929
North Fork, Ca. 93643-0929

Oak Brook Chumash
3920 Lang Ranch Pkwy
Thousand Oaks, Ca 91362

Ohlone/Costanoan Esselen Nation
P.O. Box 1301
Monterey, Ca 92932

Pala Band of Mission Indians
Luiseno – Cupeno
Post Office Box 50
Pala, Ca. 92059

Pauma/Yuima Band of Mission Indians
Luiseno
Post Office Box 369
Pauma Valley, Ca 92061

Pechanga Band of Mission Indians
Luiseno
Post Office Box 1477
Temecula, Ca 92392

Picayune Rancheria of Chuckchansi Indians
46575 Road 417
Coarsegold, Ca 93614

Notice to Indian Tribes

Redwood Valley Rancheria
Little River Band of Pomo Indians
3250 Road I
Redwood Valley, Ca. 95470-9526

Rincon San Luiseno Band of Mission Indians
Post Office Box 68
Valley Center, Ca 92082

Salinan Tribe of Monterey County
P.O. Box 2166
Concord, Ca 92930
Dona Hasro

San Luis Rey Band
2064 Old Pomuno Rd.
Poway, Ca. 92064
Russell Romo

San Manuel Band of Mission Indians
Serrano
P.O. Box 266
Patton, Ca. 92369

San Pasqual Band of Diegueno Indians
Kumeyaay (Diegueno)
Post Office Box 365
Valley Center, Ca. 92082

Santa Rosa Band of Mission Indians
Cahuilla
PO Box 390611
Anza, Ca. 92539

Santa Ynez Band of Chumash Indians
P.O. Box 517
Santa Ynez, Ca. 93460

Santa Ysabel Band of Mission Indians
Kumeyaay (Diegueno)
Post Office Box 130
Santa Ysabel, Ca. 92070

Notice to Indian Tribes

Soboba Band of Mission Indians
Luiseno
Post Office Box 487
San Jacinto, Ca. 92583

Southern California Indian Center
12755 Brookhurst St.
P.O. Box 2550
Garden Grove, Ca. 92642-2550

Table Mountain Rancheria
Mono
23736 Sky Harbor Rd.
Post Office Box 410
Friant, Ca. 93626

Tongva Nation/Traditional
3462 Avocado
Riverside, Ca. 92507

Torres-Martinez Band of Desert Cahuilla Indians
66-725 Martinez Road
P.O. Box 1160
Thermal, Ca. 92274

Traditional Choinumni Tribe
2787 N. Piedra Rd.
Sanger, Ca. 93657

Tule River
Yokuts
Post Office Box 589
Porterville, Ca. 93258

United Indian Nations, Inc.
1320 Webster Street
Oakland, Ca. 94612

United Maidu Nation
P.O. Box 204
Susanville, Ca 96130

Utu Utu Gwaitu Paiute Tribe of the Benton
Paiute Reservation
Star Route 4, Box 56-A
Benton, Ca. 93512

Notice to Indian Tribes

Viejas Band of Mission Indians
Kumeyaay (Diegueno)
Post Office Box 908
Alpine, Ca. 91903

Washoe
Route 1, Box 102
Markleeville, Ca. 96120

Wukchumni Council
1424 W. Sunnyview Ave
Visalia, Ca. 93291

Appendix E

CPRA Member List

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Jim	Higginbotham	Communications Supervisor	Alhambra City Fire Dept
Ronald	Dalessandro	Technician	Alhambra City Fire Dept
Tom	Pinkston	Technician	Alhambra City Fire Dept
Michael	Marusich	Manager/ Sr. Consultant	Align360, LCC
Gary	Pulliam	Supervisor	American Medical Response
Brian	Warshaw	President	American Mobile Data Sats
Edward	Chen	Ceo	Amrel Systems Inc
Shelley	Mc Kerren	Communications Manager	Anaheim Police Dept
Dan	Sheahon	Owner	Apogee
Steven	Grove	Systems Manager	Applied Technology Grp
Dennis	Hoy		Arcadia Police Dept
James	Coote	Communications Specialist	Arcadia Police Dept
Rosemarie	Espejo	Dispatcher II	Arcadia Police Dept
William	Keene	Account Manager	ARCOM Communications
Ken	Asano		Asano & Associates, Inc.
M	Perry		Bakersfield Police Dept
C	Jones		Bakersfield Police Dept
Scott	Bassett		Bassett Sales Corp
Michael	Smollen	Deputy Chief	Beverly Hills Fire Dept
Bruce	Malt	Active Sr. Engineer	Bruce Elliott Malt Assoc
James	Banks	Police Officer	Buena Park Police Dept
Frank	Donoghue	E-911 Service executive	Business Solutions Group-Pacific Bell/ SBC
Melissa	Miranda	Customer Support Manager	Business Solutions Group-Pacific Bell/ SBC
Paul	Larona		Ca Office / Emergency Services
Mel	Samples	Vice-President	Cadstar, Inc
David	Williams, Sr	Police Officer/Communications Systems	Cal State U Police Dept-Los Angeles
Yoshi	Hoshida - Mc Nealey	Communications Supervisor - 1	California Highway Patrol
Gina	Thomson	Comms Supervisor I	California Highway Patrol
Reza	Farahmand	Senior Telecommunications Engineer	Caltrans

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Edward	Sheridan	Communications Supervisor	Cambridge Emergency Communications
Robin	Hargett	Communications Operator II	Carlsbad Police Dept
Sandra	Hatfield	Supervisor	Cathedral City Police
Ronald	Zerr	Communications Sergeant	Chino Police Dept
Emory	Cole	Manager	Chino Unified School Dist
Ian	Telfer	Vice President	Cinergy Innovations Inc
Brad	Underwood	Public Works Operations Manager	City of Bakersfield
Deborah	Keyworth	Supervisor	City of Brea
Jack	Wildermuth	ELE Test Coordinator	City of Burbank
James	Floyd	Senior Communications Technican	City of Burbank
Mark	Mackenzie	Test Tech Supervisor	City of Burbank
Dennis	Gibbons	Test Tech Supervisor	City of Burbank
Paul	Strauss	EOC Coordinator	City of Camarillo
David	Marsden	Technician	City of Chula Vista
Reginald	Manuel	Supervisor	City of Corona Fire Communications
Robert	Laag	Technician	City of Corona Fire Communications
Mary	Adams	Support Services Supervisor	City of Coronado
Gerald	Verwolf	Manager	City of Costa Mesa
Christine	Masuzumi	Officer	City of Costa Mesa
Olivia	Ramirez	Communications Specialist	City of Costa Mesa
Darryl	Washburn	Technician	City of Culver City
Charles	Beard	Fire Chief	City of El Centro Fire Dept
Mike	Emberton		City of Escondido Public Works Dept
Steven	Hronek	Administrator	City of Glendale
Martin	Meier	Administrator	City of Glendale Police Department
Christine	Goebel	Supervisor	City of Glendale Police Department
Jim	Moore		City of Huntington Beach
William	Crockett	Admin Analyst	City of Imperial Administration
Philip	Iriarte	Assistant City Manager	City of Industry

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
David	Perez	Director	City of Industry Communications
Donald	Miller	Engineer/ Technician	City of Long Beach
Robert	Schroeder	Corporal	City of Long Beach
Bryan	Hawkins	Superintendent	City of Long Beach Electronics
Tim	Hallinan	Supervisor	City of Long Beach Electronics
Keith	Johnston		City of Long Beach Electronics
John	Black	Shop Supervisor	City of Long Beach Electronics
Liz	Battle	Communications Training Officer	City of Long Beach Fire Department
D	Maus		City of Long Beach Police Dept
Michael	Mawn	Supervisor	City of Long Beach Police Dept
Jeff	Craig	Police Commander	City of Long Beach Police Dept
Kenneth	Mann		City of Los Angeles
Tun	Aung		City of Los Angeles
Robert	Arkow		City of Los Angeles
Ken	Chan		City of Los Angeles
James	Gilliam	Engineer	City of Los Angeles
Rito	Sisnero	Supervisor	City of Los Angeles
Edward	Murray	Supervisor	City of Los Angeles
Basharat	Syed	Sr Communications Electrician Supervisor	City of Los Angeles
Thin	Dinh	Communications Engineer	City of Los Angeles
Rodolfo	Isaad	Communications Technician	City of Los Angeles
Robert	Hanson	Communications Electrician Supervisor	City of Los Angeles
Joseph	Parrino	Coordinator	City of Montebello
David	Ebarra	Communications Administ	City of Moreno Valley
Barbara	Barry	Communications Manager	City of Orange Police Dept
James	Runge	Director of Information Technology	City Of Palm Springs Police Dept
Dora	Melanson	Communications Mgr	City of Palm Springs Police Dept
Bill	Williams	Communications Supervisor	City of Pasadena
Frank	Westphal	Communications Engineer	City of Pomona Police Department

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Jeffrey	Loveland	Captain	City of Riverside Fire Department
John	Wright	Supervisor	City of Riverside Police Department
Kathy	Warr	Communications Supervisor	City of Riverside Police Department
Susan	Levine	Supervisor	City of San Diego
Satchel	Tucker	Senior Supervisor	City of San Diego
Jake	Thompson		City of San Diego
Ken	Norton	Associate Communications Engineer	City of San Diego
Kim	Andersen		City of San Diego
Michael	Grimes		City of Santa Barbara
Lynn	Freeman		City of Simi Valley
Barbara	Mathews	Management Analyst	City Of Simi Valley
Gregory	Reigert	Coordinator	City of Simi Valley Police Department
Joe	Luntao	Sr. Programmer Analyst	City of Stockton- Mis Dept.
Ernest	Gallo	Communications Manager	City of Torrance
Jerry	Edwards		City of Torrance
Michael	Urban		City of West Covina
Thomas	Loveday	Technician	City of West Covina
Mark	Howell	Director/ Emergency Services, 471st Resc	Civil Air Patrol/ USAF Auxiliary
Paul	Poor		Comm Enterprises Inc
Richard	Young	Owner	Communications Center
Jack	Hoffman	Corporate Secretary	Communications Marketing Co
Hans	Gallert	Public Safety Specialist	Computer Deductions, Inc
Kody	Kerwin	Telecommunications Specialist	Contra Costa County
Steve	Kendrick	Engineer	County of Kern
Frank	Domingo	Communications Tech Iv	County of Kern
Lorenz	Dauner	Communications Technician	County of Kern
Kenneth	Alvis	Manager	County of Kern
Walter	Moulton	Manager	County of Kern
Steve	Del Tour	Commander	County of Kern

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Richard	Granado	Division Manager, Radio Systems Division	County of Los Angeles
Bernard	Flood		County of Los Angeles
Ronald	Smith	Coordinator	County of Orange
Gary D	Gray	Chief Engineer	County of Orange Communications
Richard	Hampson	Sr Telecomm Engineer	County of Orange Communications
Robert	Stoffel	Coordinator	County of Orange Communications
Joyce	Saldin	Supervisor	County of Orange Communications
Samuel	Maynard	Supervisor	County of Orange Communications
Marten	Miller	Supervisor	County of Orange Communications
Joseph	Robben	Manager	County of Orange Communications
John	Naughton	Engineer III	County of Orange Communications
James	Donovan	Engineer III	County of Orange Communications
Nicolas	Condaras	Engineer III	County of Orange Communications
Richard	Paddock	Telecommunicator	County of Orange Communications
Holt	Leonard	Specailist	County of Orange Communications
Patrick	Brunner	Telecommunicator	County of Orange Communications
Timothy	Simon	Telecommunicator	County of Orange Sheriff Coroner Dept
John	Sarkissian	RF Spectrum Manager	County of Riverside Communications Division
Jim	Boatwright	Division Manager	County of Riverside Communications Division
John	Walker	Wireless Branch Manager	County of Riverside Communications Division
Mel	Swanberg	Microwave Manager	County of Riverside Communications Division
Doug	Roberts	Wireless Operations Manger	County of Riverside Communications Division
Dave G	Buchanan	Network Services Supervisor	County of San Bernardino
Scott	Belfield	Analyst II	County of San Diego Health & Human Services
Leland	Armitage	Senior Technician	County of San Luis Obispo
Vern	Halterman	Technician	County of San Luis Obispo
Walter	Rheingans	Manager	County of San Luis Obispo
Stephen	Powell	Technician	County of San Luis Obispo
Dennis	Kirby	Manager	County of Santa Barbara G/S Communications

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Douglas	Haddon	Technician	County of Santa Barbara G/S Communications
Danita	Crombach	Communications Manager	County of Ventura
Robert	Frost	Network Specialist III	County of Ventura
Gary	Stephens, Isd	Networks Specialist	County of Ventura
Tom	Guerrero	Supervisor	County of Ventura
Frank	Collins	Network Installer	County of Ventura
Jared	Wilkinson	Telecom Network Specialist I	County of Ventura
Jose	Cimafranca	Telecomm Network Specialist II	County of Ventura
Kim	Raney		Covina Police Department
Sheryl	Ward	Dispatch Supervisor	Covina Police Department
Gregory	Pascal	Supervisor	CSU Long Beach
Daniel B	Murphy	Western Regional Sales Exec.	Cycomm Mobile Solutions
William	Daley	President	Daley & Associates Inc
James	Potter	Director Public Safety Product Marketing	Datron World Communications Inc
Raj	Nagaras	Director of Engineering	Deccan International
Leandro	Martinez	Sergeant	Dept of Youth Authority
Preston	Thomson	Engineer/technician	DGS-Telecommunications
Glen	Nash	Sr Engineer	DGS-Telecommunications
Andy	Dysart	Sales & Marketing	Digital Wireless
Jerry	Campbell		Diversified Comm Engineer
Jim	Acosta		Downey Fire Dept
Charles	Baptista	Lieutenant	Downey Police Dept
Heidi	Calhoun	Supervisor	Downey Police Dept
Keith	Biarnesen	Police Officer	Downey Police Dept
Lynn	Chen	Manager	Earl Security Inc
Fred	Morrison	Communications Commander	El Cason Police Dept
Maria	Birdsall	Support Services Manager	El Centro Police Dept
Patricia	Klems	Supervisor	El Monte Police Dept
Max	Phipps	Lieutenant	El Segundo Police Dept

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Larry	Feige	President	Electro-Comm West Inc
Don	Jayamanne	Engineer	ENG:
Neil	Hobbs	Deputy Fire Chief	Escondido Fire Department
Garry	Wells		Escondido Police Dept
Brian	Way	Vice President	ESE
Thomas	Wilkes	President	Executive Communications Systems
Richard	Matheny	Vp Of Engineering	First-In/Westnet
Ernie	Roiz	Engineering Project Mgr	Fluor Global Services
Sam	Spiegel	Chief of Police	Folsom Police Dept
Judi	Mc Alphin	Support Services Coordinator	Foothill College Police
Chris	Herrington	Owner	Full Spectrum Communications
Helen	Segletes	Communication Manager	Fullerton Police Department
Julie	Dutton	Communications Manager	Garden Grove Police Dept
Brian	Hudson	Associate Director	Gartner Consulting
John	Arnstein	Vice President	Gartner Consulting
John	Green	Assoc. Director	Gartner Group
Richard	Miller	Vice President	GBH Telcom Inc
Mehrdad	Larijaniha		General Services Communications Div
Yiu	Cheung	Supervisor	General Services Communications Div
Don	Wise	Supervisor	Glendale Fire Department
Leonard	Pihlak		Glendora Police Dept
Werner	Jaeckel		Glendora Police Dept
Charles	Laudan		Goserco
Chris	Sundlee	Emergency Services Coordinator	Governor's Office of Emerg. Services
Stephen	Verrando	Area Sales Manager	Harris Farinon Corp
Jeffrey	Fehlberg	Director	Heartland Communications Faciltiy Authority
Chuck	Alexander	Supervisor	Heartland Communications Faciltiy Authority
Kimberly	Ellis	Operations Manager	Heartland Fire Communications
Jerold	Brown	Lead Pump Operator	Hi-Desert Water District

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Henry	Unger		Hitech Systems Inc
Christopher	Searl	Project Manager	Hitech Systems Inc
Keith	Crawford	Product Manager	Hitech Systems Inc
Holly	Babb	Marketing Manager	Hitech Systems Inc
Bill	Holbrow	President	Holbrow Assoc
Raymond	Palacios	Director	Housing Authority of the City of Los Angeles
Dawn	Shirrell	Major Account Manager	Hutton Communications
Bruce	Wallace	Director of Sales-Southwest Region	Hutton Communications
Arlene	Meadows	Area Manager	IFR Systems
Kevin	Dorst	Product Manager	Image Ware Systems
Steve	Dail	Deputy Sheriff	Imperial Co Sheriff's Dep
Garrett	Mayer	Chief	Information Technology Telecomm
Wilfred	Little	Senior Vice President	Informer Computer Systems
John	Durkos	Dispatch Supervisor	Inglewood Police Dept
Gregg	Rowland	SVP, Sales & Marketing	IP MobileNet, Inc
Ron	Lyons	Western Regional Sales Manager	IP MobileNet, Inc
Susan	Thayer	Dispatcher	Irvine Police Dept
Richard	George		ISD
Tom	Wineland		Kenwood Communications
Joe	Watts	Product Manager	Kenwood Communications
Jerry	Bradford		Kenwood Communications
Hisakazu	Harada		Kenwood Communications
Norman	Yoshihara		Kenwood Communications
Shunichi	Numariji		Kenwood Communications
John	Alves		Kenwood Communications
Tim	Mc Caslin		Kenwood Communications
Ricardo	Lujan		Kenwood Communications
Joel	Berger	Staff Engineer	Kenwood Communications
Ed	Kerr		Kenwood Communications

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Joe	Glassett		Kenwood Communications
Richard	Jones		Kenwood Communications
Gary	Cochran		Kenwood Communications
Barry	Morris	Bids & Proposals Manager	Kenwood Communications
Hiroyuki	Yoneda		Kenwood Communications
Kazuhiro	Aigami		Kenwood Communications
April	Young		Kenwood Communications
John	Vasquez		Kenwood Communications
Rigo	Hall		Kenwood Communications
Michael	Foley		Kenwood Communications
Earl	Pardue		Kenwood Communications
Cheryl	Daly		Kenwood Communications
John	Anderson		Kenwood Communications
Mark	Jasin		Kenwood Communications
Charles	Conner	Emergency Services Manager	Kern County Office of Emergency Services
Howard	Ayares	National Sales Manager	Kustom Fit Hi Tech Seating Products
Jack	Haas	Deputy	LA Co Sheriff Dept
James	Davis	Sergeant	LA Co Sheriff Dept
Diane	Raber	Sergeant	LA Co Sheriff Dept
Steven	Fitzsimmons	Sergeant	LA Co Sheriff Dept
John	McKown	Deputy	LA Co Sheriff Dept
Alfred	Ortega	Sergeant	LA Co Sheriff Dept
Gerald	Cooper	Lieutenant	LA Co Sheriff Dept
James	Thornton Jr.	Lieutenant	LA Co Sheriff Dept
Richard	Santivong	Senior Communications Technician	LA Co Sheriff Dept
Michael	Mockler	Telecommunications Engineer	LA County Metro Trans Authority
Robert Keith	Presler	Engineer Associate-Telecom	LA County Metro Trans Authority
Robert	Nevarez	Engineer	LA County Metro Trans Authority
Robert	Fischer		LA County Metropolitan

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
James	Coyne		LA County Sheriff Dept
Farid	Khalil		LA Facilities Management
Joan	Klopfenstein		La Habra Heights City Volunteer Fire Dept
Isabel	Mario-dean	Communications Supervisor	La Habra Police Dept
John	Landstrom	Admin Supervisor	Long Beach Fire Dept
Gwen	Saxlund	Supervisor	Long Beach Fire Dept
Sheila	Cowger	Shift Supervisor	Long Beach Fire Dept
Jo Ann	Kerr	Shift Supervisor	Long Beach Fire Dept
Jill	Shabica	Shift Supervisor	Long Beach Fire Dept
Casey	Chel	Manager-disaster Mgmt Div	Long Beach Fire Dept
Chuck	Lucas	Battalion Chief	Long Beach Fire Dept
Brad	Wilson	Battalion Chief	Long Beach Police Dept
Ronald	Boyd		Los Angeles Airport Police
Scott	England	Technician	Los Angeles Co, ISD
Gary	Poon		Los Angeles County
Travis	Williams	Analyst	Los Angeles County
Denis	Marin	Program Manager	Los Angeles County
Lawrence	Schwartz	Liaison Lieutenant	Los Angeles County
Cesar	Llanes	Senior Engineer	Los Angeles County
Ron	Wong	Engineer Manager	Los Angeles County
Laura	Mazariego	Systems Engineer	Los Angeles County
Ted	Pao	Systems Engineer	Los Angeles County
Mohamed	Sedky	Systems Engineer	Los Angeles County
John	Love	Electronic Technician	Los Angeles County
Luis	Castillo	Telecommunications Systems Engineer	Los Angeles County
Randy	O' Laughlin	Telecommunications System Engineer Su	Los Angeles County Dept of Public Works- IT
Jim	Longthorne	Electronic Comm Tech	Los Angeles County Dept of Public Works- IT
Larry	Gabriel	Electronic Comms Tech	Los Angeles County Dept of Public Works- IT
John	Tellez	Police Officer	Los Angeles County District Attorney

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Mark	Schroeder	Systems Manger	Los Angeles County MTA
Oscar	Quiroga	Assistant Director	Los Angeles County MTS
Jesse	Loera	Engineer	Los Angeles County Sheriff Dept
Brian	Humphrey	Public Information Officer	Los Angeles Fire Dept
Jeffrey	Jantz	Senior Analyst II	Los Angeles Police Dept
Sanford	Goldstyn	Police Services Representative	Los Angeles Police Dept
Terin	Fitzgerald	Police Service Rep	Los Angeles Police Dept
Gary	Franks	Radio Communications Supervisor	Los Angeles Unified School District-ITD Radio
Elizabeth	Robertson	President/Chief Engineer	Lyncole XIT Grounding
John	Howard	Vice President	Lyncole XIT Grounding
William	Foley		Lyncole XIT Grounding
Henry	Williams	Business Agent	M/A-COM Wireless Systems
Bart	Blakesley	Sr Principal Consultant	Macro Corporation
Michael	Depin	Sales manager	Maxcess Technologies Inc
Jean	Ferrell	Manager	Metro Cities Fire Authority
Robert	Owens	Training Officer	Metro Cities Fire Authority
Gary	Gionet	Operations Supervisor	Metro Cities Fire Authority
John	Poat	Operations Manager	Metro Mobile Comms
S. Clint	Bradford	Communications Consultant	Metro Mobile Communicatins
James	Asanuma		Minilec Service, Inc.
Greg	Stevens		Mission Ambulance Inc
Pete	Robinson	President	Mobile Access Software
Joyce	Peters	Sales Manager	Mobile Relay Associates, Inc.
Charles	Carstensen	Communications Tech	Moc/ LA
Robert	Moesch		Modular Communications
James	Emett	Supervisor	Monrovia Police Dept
P	Purguy		Montecito Fire Dist
Olivia	Madrigal	H. R. Manager	Monterey County
Dennis	Holland	Operations Supervisor	Monterey County

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Beth	Batty	Operations Supervisor	Monterey County
Leslie	Ragghianti	Training Coordinator	Monterey County Emergency Communications
Thomas	Payne	Dispatch Supervisor	Monterey County Emergency Communications
Janet	Nakamura	Records/Communications Bureau Comm	Monterey Park Police Dept
Gary	Boyd	President	Moss Bay Group
Raymond	Grimes	Senior Staff Engineer	Motorola
Rick	Neal		Motorola
Brian	Kibler	Senior Account Manager	Motorola
Kris	Robinson	Senior Account Manager	Motorola
Shilpi	Mital	Account Manager	Motorola
Phil	Gironda	Account Manager	Motorola
Phil	Kelly		Motorola CGISS
Philip	Dobosz	Manager	Motorola CGISS
Brian	Wood	Leadr Engineer	Motorola CGISS
Don	Delaney		Motorola CGISS
Kelly	Kirwan		Motorola CGISS
Ben	Nunnally		Motorola CGISS
Kathleen	Brown	Director of Quality	Motorola CGISS
Shelley	Santy	Supervisor	Newport Beach Police Dept
Tim	Robinson	Director Rf & Development	Nextel
Nicholas	Rheeman	Senior Engineer	Nextel
Kevin	Nida		NIDA Companies
Milton	Davies		North Co Fire Protection
Dallas	Neville	Deputy Chief Operations	North County Dispatch JPA
Susan	Wysong	Supervisor	North County Dispatch JPA
Mark	Cragg	Systems Technician	North County Dispatch JPA
Charlie	Knust	Application Specialist-GIS	North County Dispatch JPA
J. Michael	Kennedy	Director of Marketing	Northrop Gruman Corp
Lee	Lance	Senior Analyst Programmer	Northrop Gruman Corp

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Alan	Whitman	Captain	Oakland Police Dept
Don	Hadley		Oceanside Harbor Police
James	Voelkl	Publisher	Official Publication Inc/911 Magazine
Steven	Greneveld		Ontario Fire Dept
Craig	Kinoshita	Battalion Chief ECC	Orange Co Fire Authority
Lesli	Wilson	Supervisor	Orange Co Fire Authority
Joseph	Saddler	Senior Engineer	Orange County
Howard	Newton	Engineer III	Orange County Comms
Gina	Pressler	Engineering Technician	Orange County Communications
Leeta	Kesler	Engineering Technician	Orange County Communications
Roger	Thomas	Telephone Service Specialists	Orange County Fire Authority
Rich	Toro	Supervisor	Orange County Fire Authority
Michele	Palmer		Orange County Fire Authority
Roger	Stites	IS Manager	Orange County Fire Authority
Robert	Waller	Communications Tech II	Orange County Fire Authority
Annette	Allen	Communications Manager	Oxnard Police Dept
Thomas	Chronister	Commander	Oxnard Police Dept
Stephen	Fryer	Senior Account Manager E911	Pacific Bell
Philip	Lopez	Sales Manager	Pacific Bell P/S 911
Joseph	Oliveira	President	PIPO Communications
Rolando	Garcia	Senior Public Safety Dispatcher	Placer County Sheriffs
John	Fuller	V P Sales & Marketing	Plant Equipment
Larry	Matteson		Plant Equipment Inc
Timothy	Fuller	President	Plant Equipment Inc
John	Fuller		Plant Equipment Inc
Jeff	Wittek	Director of Product Manager	Plant Equipment Inc
Monique	De Chainé	Business Development Manager	Plant Equipment Inc
Robert	Freinberg	Vice President-Sales & Business Dev	Plant Equipment Inc
John	McCowan	Marketing Comms Manager	Printrack Int'l

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Roula	Margaros		Printrack, A Motorola Company
Scott	MacDonald		Printrack, A Motorola Company
Rick	Johnson		Printrack, A Motorola Company
Neil	Johnson		Printrack, A Motorola Company
David	Mc Neff		Printrack, A Motorola Company
Howard	Robertson	Account Manager	Printrack, A Motorola Company
Gary	Hoff	Vice President	Pyramid Communications
Michael	Lapadula	Vice President	Qualcomm Inc
Karl	Cox	Technician	Rancho Cucamonga Fire Dist
David	Feeney II	Managing Consultant	RCC Consultants Inc
Terry	Seabury	VP- General Mgr.-Western Region	RCC Consultants, Inc
Paul	Wrightsmen	Sergeant	Redondo Beach P.D.
Gary	Wiley	Lieutenant	Redondo Beach P.D.
Edward	Radomsky	Comms Supervisor	Redondo Beach P.D.
Debra	Kochheim	Community Services Officer Iii	Redondo Beach P.D.
Cheryl	Falcon	Emergency Communications Supervisor	Redondo Beach P.D.
Charles	Taylor	Communications Engineer	Retired
Kenneth	Bourne	President	RF Associates
Henry	Richter	Owner	Richter Group
Mike	Burton	Manager	Riverside County Fire Department
Lorie	Thompson	Manager	Riverside County Sheriff
Cherie	Curzon		Riverside Police Dept
Dawn	Lopez	Communications Supervisor	Riverside Sheriff Dept
John	Wiggins		RMSI
Ron	Ross		Ross Associates
Brett	Lubsen	V.P Sales	RuggedNotesbooks.com
Penny	Adams	Operations Manager	Sacramento Fire Dept
David	Dowling	Supervisor	San Bernardino County ISD
Memory	Carver	Emergency Services Dispatcher I	San Bernardino County ISD

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
David	Seidel		San Bernardino County Sheriff Tech Services Div
Cynthia	Freeman	Supervisor	San Bernardino County Sheriff Tech Services Div
Debra	Holman	Supervisor	San Bernardino County Sheriff Tech Services Div
Tim	Afflerbaugh	Supervisor	San Bernardino County Sheriff Tech Services Div
Joann	Rutland	Supervisor	San Bernardino County Sheriff Tech Services Div
Dennise	Moe	Supervisor	San Bernardino County Sheriff Tech Services Div
Ron	Dunn	Dispatch Supervisor	San Bernardino County Sheriff Tech Services Div
Tony	Allen	Lieutenant	San Bernardino County Sheriff Tech Services Div
Dodie	Alsop	Supervisor	San Bernardino Police Communications
Gail	Larsen	Communications Coord	San Diego Co Sheriff Communications
Jeff	Bracht	Supervisor	San Diego Convention Center Corp
Tim	Thomas	Supervising Technician IV	San Diego County Sheriff Wireless Services
Chris	Hinshaw	Assistant Manager, Wireless Services Uni	San Diego County Sheriff Wireless Services
Richard	Whittlesey	Tech 3	San Diego County Sheriff Wireless Services
Guy	Tant	Supervising Technician Iv	San Diego County Sheriff Wireless Services
Curt	Munro	Project Manager	San Diego County Sheriff Wireless Services
Guy	De Loura	Senior Technologist	San Diego County Sheriff Wireless Services
William	Holland	Technologist	San Diego County Sheriff Wireless Services
Fred	Moffett	Senior Technologist	San Diego County Sheriff Wireless Services
Hanan	Harb	Communications Coordinator	San Diego County Sheriff's Department
Angela	Claypool	Supervisor	San Diego Harbor Police
Karen	Butler		San Diego Police Dept
Daniel	Hall	Agency Terminal Coordinator	San Diego Unified School District Police
Anthony	Vairo	Detective	San Fernando Police Dept
Ralph	Delgado	Dispatcher/Jailer Supervisor	San Fernando Police Dept
Richard	Helzer	Technician	San Luis Obispo City Fire Dept
Ken	Brown	Technician II	San Luis Obispo Co Inform Svcs
Kerri	Rosenblum	Communications Supervisor	San Luis Obispo Police
Anna	Olivarez		Santa Ana Fire Department

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Lisa	Mathiasen	Dispatch Training Supervisor	Santa Barbara County Sheriff
James	Ward	Senior Electronics Tech	Santa Barbara Public Work
Scott	Allison	Supervisor	Santa Barbara Public Work
James	Mc Pherson	EMS Operations Manager	Santa Clara County EMS Agency
Wayne	Cox	Lieutenant	Santa Maria City Fire
Greg	Marsh	Communications Operator II	Santa Monica Fire Dept
Patty	Speidel	Emergency Communications Manager	SBC Pacific Bell
Janet	Brown	E911 Service Executive	SBC/ Pacific Bell
Roy	Halterman	Emergency communications Mgr	SBC/ Pacific Bell
Alex	Fakhreddine	E911 Service Executive	SBC/ Pacific Bell
Charles	Vavasseur	E911 Service Executive	SBC/ Pacific Bell
Glenn	Marin		Schema Systems Inc
Jack	Campbell	Vice Pres.	Schema Systems Inc
Nicholas	North	Telecommunications Systems Analyst	Science Applications International Corp
Pat	Harding	EDC-III	Scotts Valley Police Department
Joseph	Granish	Dispatcher	Simi Valley Police Department
Jose	Rivera		South Bay Reg Public Comm Authority
Janey	Hall	Manager	South Bay Reg Public Comm Authority
Bonnie	Agee	Training Manager	South Bay Reg Public Comm Authority
Gary	Stevens	Communications Supervisor	South Bay Regional Public Communications Authority
Frank	Miranda	Communications Training Officer	South Bay Regional Public Communications Authority
Robert	Vance III	Supervisor	Southern Cal Edison
Sheri	Johnson	Acquisition Manager	Spectrum Acquisitions Group
Todd	Johnson	Acquistion Manager	Spectrum Acquisitions Group
Cheryl	Cox	Operations Manager	Spectrum Acquisitions Group
Bill	Houser	Regional Vice President	Stancil Corporation
Donald	Root	Deputy Chief, Telecommunications	State of CA Offices of Emergency Services
David	Kelley	ITS Programs	SubCarrier Systems Corporation
Matt	Martz	Director Of Sales	Talley Communications

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Bob	Osmers		Talley Communications
Craig	Nichols		Talley Communications
Timothy	Peters	President	Tech/Knowledge Inc
Paul	Allen	Service Coordinator	Telcom Comm
Joe	Dehorty		Telcom Inc
Isabelle	Hoogland	Marketing Manager	Tele Atlas North America
Jon	Mitchell	National Sales Manager	Teleflage
Michael	Thayer	President	Thayer Consulting
George	Valenzuela	Specialist	The Aerospace Corporation
Jack	Daniel	Owner	The Jack Daniel Company
Larry	Weber	President	The Sales Group Inc
Tina	Jackson	President	The Spectrum Firm Inc.
Paul	Nocero	Director Marketing	Tiburon Inc
Fred	Feer	VP, Operations	Topanga Coalition for Emergency Preparedness
Ralph	Blount	Retired	Torrance Police Dept
Michael	Paolozzi	Lieutenant	Torrance Police Dept
Mark	Wittenberg	Police Lieutenant	Torrance Police Dept
John	Ehert	President	TPL Communications
Chris	Maloney	President	TriTech Software Systems
Melissa	Aukes		TriTech Software Systems
Robert	McGrath	Vice President of Sales & Marketing	TriTech Software Systems
Terry	Fitch	Marketing	TriTech Software Systems
Gregg	Caplan	Vice President	TriTech Software Systems
Scott	Simpson		TRW
Del	Chase	Sr Equipement Mechanic	Tuocumne County Public Works
Laura	Ulrich	Lead	Tustin Police Dept
Robert	Wolfer	Program Analyst	UC Riverside Police Dept
Jaime	Duenas	Wireless Specialist	UCLA
Scott	Harvey	Operations Manager	UCLA Comms Tech Services

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Ron	Brogdon		Univ of California, San Diego
Fred	Mills	Communications Coordinator	University Police Dept
Lincoln	Unruh	President	Unruh Technologies Inc
Sharon	Goodwin	Dispatcher II	Upland Police Dept
Bruce	Kopitar	President	US Tower Corp
Michael	Wingate		USDA Forest Service
Robert	Harris	Electronics Technician	USDA Forest Service Fire & Aviation Management
Charles	Webb	Telecommunications Manager	Valley Health System
A.	Stephens	Admin Dispatcher II	Ventura County Dept
Tom	Ramonette	Communications Officer	Ventura County Dept
Debra	Zinsky	Fcc Manager	Ventura County Fire Protection District
Steve	Mc Clellan	Communications Manager	Ventura County Fire Protection District
James	Norris		Ventura County Fire Protection District
Lawrence	Older	I S Manager	Ventura County Fire Protection District
Pablo	Peredes		Ventura County Fire Protection District
Debra	Kemblowski	Dispatcher	Ventura County Sheriff
John	Garner	Lieutenant	Ventura Police Dept
T Brock	Avery	Police Sergeant	Ventura Police Dept
Rich	Kaufman	Supervisor	Verdugo Fire Comm Center
Mark	Krom	Senior Network Tech	Verizon
Steve	Towles	Lieutenant	Vernon Police Dept
Scott	Henderson	Vice President- Land Mobile Division	Vertex Standard
Don	Werner	Vice President	Wallace & Wallace
Lisa	Barr	Communications Supervisor	West Cities Police Communications Center
Linda	De Chainé		West End Communications Authority
Michelle	Baylis	Supervisor	West Norriton Township Police Dept
Stephaine	Knight	Communications Supervisor	Whitter Police Dept
Sara	Krelle	Senior Dispatcher	Whitter Police Dept
Audrey	Hernandez	Senior Dispatcher	Whitter Police Dept

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Scheralee	Ford	Support Services Manager	Whitter Police Dept
Mike	Feryan	Sales& Marketing	Wireless Works Inc
William	Doolittle	Chief Executive Officer	Wm L Doolittle & Assoc
Mikio	Maruya		Yaesu USA
Steve	Tivy	Retired	
Robert	Lukenbill		
Charles	Karayan		
John	Keating		
Don	Poorman		
H	Topham		
Richard	Miller		
Frederic	Crowder		
Brownie	Spanovich		
Jeanne	Swiatlowski		
James	Delameter		
Mary	Gray	Retired	
Mike	Lussier		
Chuck	Luckey		
Mark	Barber	Fire Dispatcher Supvr	
Alice	Karleskint		
Rodger	Marty	Owner	
Phil	Collins	Communications Consultant	
Donna	Keating		
Richard	Behr	Dispatch/training Officer	
Randall	Larson		
Andy	Tomenchuk	Retired	
David	Bucher		
Maureen	Logue	Police Dispatcher	
William	Salveson	Lieutenant - Retired	

CPRA Membership List
Sorted by Agency Name

FirstName	LastName	Title	Agency Name
Harry	Cole		

Appendix F

Inter-Regional Coordination And Agreements

From: Hagar, Randall, GSA - Communications (Randall.Hagar@acgov.org)
To: David Buchanan; Mark Pallans; mark.schroeder@phoenix.gov
Date: Thursday, January 24, 2008 5:23:03 PM
Cc: Gary Poon
Subject: RE: Region 5 700 MHz Plan revision

Dave,

Region 6 concurs with your revised 700MHz plan, but also recommends that you note the following comments as proposed from Bill DeCamp:

Randy Hagar, Chair
Region 6, 700MHz/4.9GHz
Deputy Director, GSA
Alameda County

Region 5's changes to the attached document basically comprised removing the Wideband Data Section, and converting the frequencies in the frequency list to the new values caused by the realignment of the 700 MHz blocks due to the Second Report and Order released August 2007. Other than renumbering the frequency blocks to match FCC's requirements, in essence it appears unchanged from the former plan.

In reviewing the document, I recommend the following subtle changes to improve the "correctness" of the document.

Under Section **3.0 Region Description**, the paragraph that reads, *"The State of California's request for spectrum is to support a new statewide system that will integrate multiple state agencies on the system. The State is also designating the system to accommodate local agencies that wish to participate."* can be deleted since the State has withdrawn its request for the 120 – 700 MHz General Use 6.25 kHz channel pairs that were to be used for PRISM.

In the document, wherever *"TIA/EIA TSB88-A (or latest version)..."* appears, it might be rewritten *"The latest version of TIA/EIA TSB88..."*. The current version is "B", but "C" is imminent.

Under Section **5.3 Procedure for Frequency Coordination**, you may wish to add the following closing paragraph: *"Region 5 will provide data to the National Public Safety Telecommunications Council (NPSTC) Computer Assisted Pre-Coordination Resource And Database (CAPRAD) to assist with intraregional coordination."*

Under Section **5.4 Adjacent Region Spectrum Allocation**, the second paragraph reads, *"Region 5 will provide data to the National Public Safety Telecommunications Council (NPSTC) Pre-Coordination Data Base to assist with adjacent region coordination."* To emphasize CAPRAD, it should be rewritten, *"Region 5 will provide data to the National Public Safety Telecommunications Council (NPSTC) Computer Assisted Pre-Coordination Resource And Database (CAPRAD) to assist with interregional coordination."*

Under Section **5.5 Mexico Border Issues**, the frequency ranges in the last sentence should be changed from *"764-776"* and *"794-806"* to *"769-775"* and *"799-805"*

Under Section **6. Interoperability Channels**, the second paragraph under 6.1 Introduction reads, *"The State of California will administer the interoperability channels via a State Interoperability Executive Committee (SIEC) under National Coordination Committee's (NCC) guidelines."* This should be changed to *"The State of California will administer the interoperability channels via the California Statewide Interoperability Executive Committee (CalSIEC) recommended under National Coordination Committee's (NCC) guidelines."*

The sentence should be removed that reads, *"If the State is unable to form the SIEC and develop interoperability operating procedures, then this committee will do so."*

All subsequent references to *SIEC* should be changed to *CalSIEC*.

Under Section **8.3 System Implementation**, the second sentence that reads "*These stations will not move until the year 2006, or after, depending on the 85% market penetration of digital TV implementation*" should be rewritten as, "*These stations are not obliged to move until February 2008.*"

Under Section **10. Spectrum Utilization**, delete the last paragraph which reads, "*Due to the existing TV assignments and HDTV assignments, most of Southern California cannot use this spectrum until the HDTV implementation is completed. This may be sooner or later than 2006. Given this uncertainty, this plan does not limit an agency from initially implementing (if it conforms to FCC rules) a technology that yields less than one voice channel per 6.25 kHz channel or aggregating narrowband data into 25 kHz blocks. The agencies are on notice that they will not receive additional allotments due to using technology that yields less than one voice channel per 6.25 kHz of spectrum or narrowband data of less than 19.2 kbps per 12.5 kHz of spectrum.*".

Best regards,

William De Camp

-----Original Message-----

From: David Buchanan [mailto:david_bu@pacbell.net]

Sent: Wednesday, January 23, 2008 7:04 PM

To: Hagar, Randall, GSA - Communications; Mark Pallans; mark.schroeder@phoenix.gov

Cc: Gary Poon

Subject: Region 5 700 MHz Plan revision

Please review the attached plan and reply indicating you concurrence with the changes. The major change is the repack of the frequency allotments to reflect the new 700 MHz band plan. We simply moved the current allotments to reflect the new general category narrow band frequencies. There are no additional allotments to the existing plan. Don Root was elected vice-chair. The reference to wide-band channels was deleted.

For note, Region 5 hand packed the allotments and therefore the region is not waiting on the CAPRAD modifications. We will enter the data list into CAPRAD after the modifications are complete. If can provide concurrence prior to January 28th, I will not need to ask for a waiver with the FCC filing. We expect that the FCC will need to modify the protacalls with Mexico and the allotment list will need another modification. If the chages are not in place by late summer Region 5 will modify the list to move San Diego and Imperial allotments to primary US spectrum.

Thanks

David Buchanan, Chair

Region 5 700 MHz Planning Committee

From: Pallans, Mark (MPallans@nevpa.com)
To: David Buchanan
Date: Thursday, January 24, 2008 7:53:52 AM
Subject: RE: Region 5 700 MHz Plan revision

[Region 27 concurs with Region 5's revised 700 MHz Plan.](#)

Mark D. Pallans

System Administrator

Nevada Shared Radio System

702.657.4205

702.657.4220 FAX

From: David Buchanan [mailto:david_bu@pacbell.net]
Sent: Wednesday, January 23, 2008 7:04 PM
To: Randall Hagar; Pallans, Mark; mark.schroeder@phoenix.gov
Cc: Gary Poon
Subject: Region 5 700 MHz Plan revision

Please review the attached plan and reply indicating your concurrence with the changes. The major change is the repack of the frequency allotments to reflect the new 700 MHz band plan. We simply moved the current allotments to reflect the new general category narrow band frequencies. There are no additional allotments to the existing plan. Don Root was elected vice-chair. The reference to wide-band channels was deleted.

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Thanks
David Buchanan, Chair
Region 5 700 MHz Planning Committee

From: mark.schroeder@phoenix.gov (mark.schroeder@phoenix.gov)
To: David Buchanan; Randall Hagar; Mark Pallans
Date: Wednesday, January 23, 2008 7:30:24 PM
Cc: Gary Poon
Subject: Re: Region 5 700 MHz Plan revision

David,

Region 3 is providing Region 5 with our concurrence in this email to your plan changes to meet the recent changes required by the FCC.

-Mark Schroeder, 700 MHz RPC Region 3 Chairman-

----- Original Message -----

From: David Buchanan [david_bu@pacbell.net]

Sent: 01/23/2008 07:04 PM PST

To: Randall Hagar <Randall.Hagar@acgov.org>; Mark Pallans <MPallans@nevpa.com>; Mark Schroeder

Cc: Gary Poon <gary9888@yahoo.com>

Subject: Region 5 700 MHz Plan revision

Please review the attached plan and reply indicating your concurrence with the changes. The major change is the repack of the frequency allotments to reflect the new 700 MHz band plan. We simply moved the current allotments to reflect the new general category narrow band frequencies. There are no additional allotments to the existing plan. Don Root was elected vice-chair. The reference to wide-band channels was deleted.

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Thanks

David Buchanan, Chair

Region 5 700 MHz Planning Committee

*Inter-Regional Coordination Procedures
and
Procedures for Resolution of Disputes
That May Arise Under FCC Approved Plans*

I. Coordination Procedures

I. INTRODUCTION

1. This is a mutually agreed upon Inter-Regional Coordination Procedures Agreement (Agreement) by and between the following 700 MHz Regional Planning Committees, Arizona, Region 3, Southern California, Region 5, Northern California, Region 6, and Nevada, Region 27.

II. INTER-REGIONAL COORDINATION AGREEMENT

2. The following is the specific procedure for inter-regional coordination which has been agreed upon by Regions 3,5,6, and 27 and will be used by the Regions to coordinate between these adjacent Regional Planning Committees when:

a. An application filing window is opened or the Region announces that it is prepared to begin accepting applications on a first-come/first-served basis.

b. Applications by eligible entities are accepted.

c. An application filing window (if this procedure is being used) is closed after appropriate time interval.

d. Intra-regional review and coordination takes place, including a technical review resulting in assignment of channels.

e. After intra-regional review, a copy of those frequency-specific applications requiring adjacent Region approval, including a definition statement of proposed service area, shall then be forwarded to the adjacent Region(s) for review.¹ This information will be sent to the adjacent Regional chairperson(s) using the CAPRAD database.

¹ If an applicant's proposed service area extends into an adjacent Public Safety Region(s) or a base station is within 70 miles of the adjacent regions border, the application must be approved by the affected Region(s).

f. The adjacent Region reviews the application. If the application is approved, a letter of concurrence shall be sent, via the CAPRAD database, to the initiating Regional chairperson within thirty (30) calendar days.

II. Dispute Resolution

(1) If the adjacent Region(s) cannot approve the request, the adjacent Region shall document the reasons for partial or non-concurrence, and respond within 10 (Ten) calendar days via email. If the applying Region cannot modify the application to satisfy the objections of the adjacent Region then, a working group comprised of representatives of the two Regions shall be convened within thirty (30) calendar days to attempt to resolve the dispute. The working group shall then report its findings within thirty (30) calendar days to the Regional chairpersons email (CAPRAD database). Findings may include, but not be limited to:

- (i) Unconditional concurrence;
- (ii) conditional concurrence contingent upon modification of applicant's technical parameters; or
- (iii) partial or total denial of proposed frequencies due to inability to meet co-channel/adjacent channel interference free protection to existing licensees within the adjacent Region.

(2) If the Inter-Regional Working Group cannot resolve the dispute, then the matter shall be forwarded for evaluation to the National Plan Oversight Committee (NPOC), of the National Public Safety Telecommunications Council. Each Region involved in the dispute shall include a detailed explanation of its position, including engineering studies and any other technical information deemed relevant. The NPOC

Service area shall normally be defined as the area included within the geographical boundary of the applicant, plus three (3) miles. Other definitions of service area shall be justified with an accompanying *Memorandum of Understanding (MOU)* or other application documentation between agencies, i.e. mutual aid agreements.

will, within thirty (30) calendar days, report its recommendation(s) to the Regional chairpersons via the CAPRAD database. The NPOC's decision may support either of the disputing Regions or it may develop a proposal that it deems mutually advantageous to each disputing Region.

g. Where adjacent Region concurrence has been secured, and the channel assignments would result in no change to the Region's currently Commission approved channel assignment matrix. The initiating Region may then advise the applicant(s) that their application may be forwarded to a frequency coordinator for processing and filing with the Commission.

h. Where adjacent Region concurrence has been secured, and the channel assignments would result in a change to the Region's currently Commission approved channel assignment matrix, then the initiating Region shall file with the Commission a *Petition to Amend* their current Regional plan's frequency matrix, reflecting the new channel assignments, with a copy of the *Petition* sent to the adjacent Regional chairperson(s).

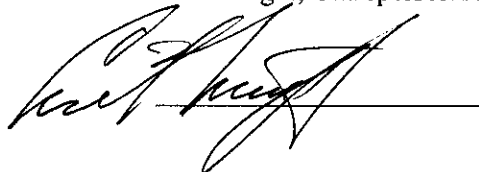
i. Upon Commission issuance of an *Order* adopting the amended channel assignment matrix, the initiating Regional chairperson will send a courtesy copy of the *Order* to the adjacent Regional chairperson(s) and may then advise the applicant(s) that they may forward their applications to the frequency coordinator for processing and filing with the Commission.

III. CONCLUSION

3. IN AGREEMENT HERETO, Regions 3, 5, 6, and 27 do hereunto set their signatures.

Respectfully,

Curt Knight, Chairperson Region 3

 Date: 3/19/03

David Buchanan, Chairperson Region 5

David Buchanan Date: 5-12-2003

William DeCamp, Chairperson Region 6

Wm DeCamp Date: 5/9/03

James A. Wilson, Chairperson Region 27

JAWilson Date: 7-28-03

INFORMATION SERVICES DEPARTMENT



COUNTY OF SAN BERNARDINO
COUNTY ADMINISTRATIVE OFFICE

- ADMINISTRATION APPLICATION DEVELOPMENT CUSTOMER SERVICE
 EMERGING TECHNOLOGIES TECHNOLOGY OPERATIONS
670 East Gilbert Street • San Bernardino, CA 92415-0915 • (909) 388-5500 • Fax (909) 388-5555
 NETWORK SERVICES
777 East Rialto Avenue • San Bernardino, CA 92415-0740 • (909) 387-2010 • Fax (909) 387-8859
~~1743 West Mirra Way • Rialto, CA 92376 • (909) 356-3900 • Fax (909) 356-3915~~

LEYDEN L. HAHN
Chief Information Officer

DAVID ROGERS
Assistant Chief Information Officer

April 28, 2003

William DeCamp, P.E.
State of California, DGS Telecom Division
601 Sequoia Pacific Blvd., MS WH7
Sacramento, CA 95814-0282

Dear Mr. DeCamp:

Enclosed is a copy of the Region 5, 700 MHz Plan for your review. Please indicate your Region's acceptance and approval of this Plan by signing below and returning this letter to me. If your Region has any issues with this plan please contact me so we can work out acceptable changes.

A prompt reply is appreciated, as we cannot submit our plan again without your Region's approval.

Sincerely,

David Buchanan
Chairman, Region 5

Enclosure (1)

Region 6 Approves

Date 5/9/03

William DeCamp, P.E.

ARIZONA DEPARTMENT OF PUBLIC SAFETY

2102 WEST ENCANTO BLVD. P.O. BOX 6638 PHOENIX, ARIZONA 85005-6638 (602) 223 - 2000



JANET NAPOLITANO
GOVERNOR

DENNIS A. GARRETT
DIRECTOR

August 13, 2003

David Buchanan, Chairman - Region 5
City of San Bernardino Network Services
777 East Rialto Avenue
San Bernardino, California 92415-0740

RE: 700 MHz Plan Concurrence

Dear Mr. Buchanan:

In response to your letter regarding concurrence to the proposed 700 MHz Regional Plan, please note the following.

Let it be recorded that Region 3 is in receipt of the proposed 700 MHz Regional Plan and concurs with the same. At the present time Region 3 does not have any issues with the plan that would necessitate any changes.

This letter serves as official written concurrence, from Region 3, to the proposed 700 MHz Regional Plan. If I can be of further assistance please do not hesitate to contact me at 602-223-2257, or I can be reached via e-mail at Cknight@dps.state.az.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Curt Knight".

Curt Knight, Manager
Telecommunication Bureau
Chairperson, Region 3

mg

SOUTHERN NEVADA AREA COMMUNICATIONS COUNCIL

575 East Flamingo Road
Las Vegas, NV 89119
(702) 455-7311
Fax: (702) 734-6111
E-Mail: jimwi@co.clark.nv.us

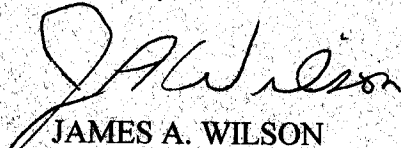
June 4, 2003

Mr. Dave Buchanan
Region 5 Chairman
County of San Bernardino
Information Services Department
777 East Rialto Avenue
San Bernardino, CA 92415-0740

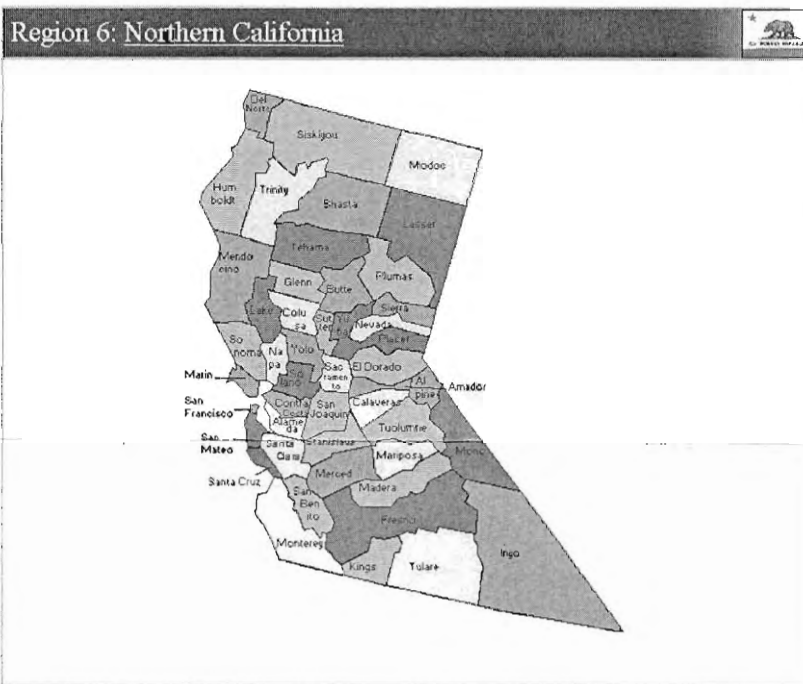
Dear Dave:

Please consider this letter as the approval from Region 27 (Nevada) for the submission of your 700 MHz Plan to the Federal Communications Commission. Congratulations on a excellent job, and we wish the best of luck to your Region in the submission of your Plan to the Federal Communications Commission.

Sincerely,


JAMES A. WILSON
Region 27 Chairman

LETTER OF CONCURRENCE



December 23, 2008

David Buchanan, Chair
RPC5, 700MHz
11009 Hawkridge Rd
Yucaipa, CA 92399

Dear Dave,

I am pleased to inform you that the Region 6 RPC concurs with your Regional Plan, Revision 4, dated November 8, 2008.

Best Regards,


Randall Hagar, Chair
Region 6 RPC
700 MHz/ 4.9GHz
1401 Lakeside Drive, 10th Fl.
Oakland, Ca. 94612
510.208.9789



**STATE OF NEVADA
700 MHZ COMMITTEE
FCC REGION 27**

DATE: February 10, 2009
TO: David Buchanan, Region 5 Chairman
SUBJECT: Region Plan Concurrence

Region 27 concurs with the draft amended Region 5 Plan submitted to us on 2/10/2009

Mark D. Pallans

Region 27 Chairman

From: mark.schroeder@phoenix.gov (mark.schroeder@phoenix.gov)
To: davidg_bu@yahoo.com
Date: Friday, January 23, 2009 12:16:18 PM
Cc: schroederm@apco911.org; AZ700RPC@yahoogroups.com
Subject: Region 3 700 MHz RPC Concurrence for Region 5

David,

this email will serve as our concurrence with your latest plan changes for pre-allocation of channels for the Region 5 700 MHz RPC.

We do so based on our historical practice in mutual spectrum allocation coordination practices, that as spectrum allocations are needed for growth in either region, that both Region 3 and Region 5 will always find the best solution to support each public safety agencies needs.

Please contact me at anytime for assistance or questions.

>Mark Schroeder, Region 3 700 MHz RPC Chairman<



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