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THE FLORIDA REGION COMMITTEE

(700 MHz Planning)

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FCC Region 9 Committee

700 MHZ. Plan

Submitted March 7, 2014

Amendment #1

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Regional Committee Positions

At the first regional plan meeting on January 17, 2001 in Orlando, Florida Mr. Ray Carlson, the 800 Mhz Planning Committee Vice-Chairman hosted the meeting. The attendees discussed and voted on incorporating the current 800 Mhz planning Chairman and Vice-Chairman into the 700 Mhz committee pending a future meeting.

The current Committee members as of 03-07-2014 are:

Ray Carlson, Chairman
Palm Beach County Sheriff's Office
3228 Gun Club Road
West Palm Beach, FL. 33406
561-688-3514

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On May 3, 2001, in St. Petersburg, Florida, the second meeting of the 700 Mhz Regional Planning Committee was held. The permanent 700 Mhz Committee was voted into office, detailed by-laws and membership rules were reviewed and adopted.

At the May 5th, 2004 meeting, Mr. Mark Pallans resigned as the Chairman. During full membership voting, Vice-Chairman, Ray Carlson was elected as Chairman. Mr. Jose Otero, Miami-Dade County was elected Vice-Chairman. The full membership voted to suspend annual elections until after the Region 9 Plan was adopted to alleviate changing the executive committee during the planning development process.

1. RPC Membership

Membership is open to any interested party. Voting and operating procedures are described in Appendix A of this plan.

2. Region Description

Region 9 encompasses the entire State of Florida.

The Florida terrain is flat and sub-tropical in the south to pine woods and rolling hills in the north. Elevations range from sea level to less than 300 feet naturally. 80% of the population is concentrated in the Miami-West Palm Beach corridor, and the Tampa-Orlando-Jacksonville corridor.

Deleted: Peter

Summary Demographic State Data (and Source)

Population (2004 Census Bureau estimate):	17,397,161
Population (2000 Census):	15,982,378
Foreign-Born Population (2003 CB estimate):	2,995,400
Foreign-Born Population (2000 Census):	2,670,828
Share Foreign-Born (2003):	17.6%
Share Foreign-Born (2000):	16.7%
Immigrant Stock* (2000 CB estimate):	4,637,000
Share Immigrant Stock (2000 estimate): *defined by the U.S. Census Bureau as immigrants and first generation children of immigrants.	29.0%
Naturalized U.S. Citizens (2000 Census):	1,207,502
Share Naturalized (2000 estimate):	45.2%
Legal Immigrant Admission (INS 1993-2002):	754,692
Refugee Admission (2001 HHS):	16,775
Illegal Alien Population (CIS 2005):	780,000
Projected Population - 2025 [if population growth rates of 1990-2000 continue] (2001 FAIR):	27,100,400

All forms of public safety agencies and services are located in this region. The majority of requests for voice spectrum are from the southern population areas that have exhausted all other available spectrum resources.

3. Notification Process

The First Regional Plan Meeting was held on January 17, 2001. 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 (November 2000), The Florida Administrative Weekly publication, and the State of Florida APCO chapter newsletter.

All meeting notices, minutes, sign in sheets, and members of the committee are shown in the appendix D of this plan. These include January 17, 2001, May 7, 2001, May 6, 2002, May 13, 2003, May 5, 2004, February 16, 2005, and May 1, 2006. The meetings were open to any who

wanted to attend. Florida has a broad "Government in the Sunshine" law that requires any government action to be open to the public, which includes all records and materials from said meetings.

4 Regional Plan Administration

4.1.a Procedure for Requesting Spectrum Allotments

The Region 9 Committee Chair will announce to the region that 700 MHz public safety channels are available in the Region and that channels have been assigned to pool allotments to counties within the Region. All available methods will be used to notify public safety entities of channel availability in the Region. All requests will be considered on a first come, first served basis. Region 9 supports the National Coordination Committee Pre-Assignment Rules and Recommendations listed in Appendix F, and will use the guidelines as a template to determine if an application submitted to the Regional Planning Committee meets Regional Planning standards.

It is recommended that applicants familiarize themselves with these recommendations prior to submitting application for Region 9/700MHz public safety implementation.

In general and unless otherwise noted, the Region 9/700Mhz Regional Planning Committee will adhere to the published National Coordination Committee Implementation Guidelines for 700 MHz Public Safety Regional Planning Committees.

The Regional Planning Committee will be the deciding body for application approval and plan interpretation. It must be stressed that the Region 9 Regional Planning Committee supports and promotes multi-agency systems that allow for regional/wide area coverage within the region.

4.1.b

To request channels from Region 9/700 Mhz Committee (herafter refered to as the Region or RPC), a full application package must be submitted to the Region or Sub-Region Chairman for processing. The application must include: an FCC Form 601, a short description of the proposed system, a justification for the additional spectrum, an interference prediction using the current version of TIA/EIA TSB 88 guidelines, maps showing all potential interference predicted in the proposed system within a 70-mile radius, antenna profiles and gains and documents indicating agency-funding commitment sufficient to fund the development of the proposed system(s).

The Region will distribute the request to all other agencies within 70-miles of the applicant's jurisdiction for review by those agencies. Absent a protest within a 30 calendar day period from the initial mailing, the Region will review and vote on the application.

If approved, the Region will validate the CAPRAD database and return the application to the applicant who shall forward the approved application to the preferred FCC certified frequency coordinator for processing. This process meets the requirements of Rule 90.176(c).

The CAPRAD database will reflect the approved application and place the channels for the proposed system in “pre-license” status. The applicant must advise the Region in writing when the FCC grants their license and when the “Slow Growth” requirements are met if so licensed.

4.1.c

Allocation Disputes: An agency may protest a proposed system within 30 calendar days of the original distribution. Protests will only be considered if the proposed system does not conform to plan criteria or objecting agency and/or the Chairperson can show harmful interference is likely. If an agency with pre-licensed/Region approved co-channel or adjacent channel allocations objects to a proposed allocation due to concerns about potential interference, the objecting agency may request field tests be done to confirm or refute potential interference factors. The completion of these field tests will be required for Regional application approval. Coverage area service/interference contours of the proposed system(s) should meet values designated in Appendix F of this document. Any costs associated with field tests or any other requirements to obtain Region 9 plan approval are the responsibility of the agency submitting the application to the Region.

The parties involved must resolve the allocation dispute and notify the Region Chair within 30 calendar days. The Region Chair may grant an extension if merited. If the parties involved cannot resolve the allocation dispute within that timeframe, then a special full Committee meeting will be scheduled to consider and vote on the protest. If an agreement is resolved, the application will be updated on the CAPRAD database and returned to the applicant for filing with their frequency coordinator for processing.

4.1.d

Lower Power “Campus Eligible” General Use Channels: In the implementation of 700 MHz public safety spectrum throughout Region 9, there may be opportunities for increased channel reuse when developing radio systems for “campus” type operations. Examples of those who may capitalize on this opportunity include hospitals, stadiums, malls or places of public gathering, public universities, transit systems and ports. While these channels have been designated in county pool allotments with proper designations, they do not enjoy the benefits of countywide channels in that they are not cleared for usage over a wide area. In many instances, facilities require a smaller or more specific geographical coverage area than assumed in the initial channel packing plan and may be able to be reuse channels more efficiently. These “campus” type systems also, in many cases, require in-building or confined space/tunnel radio coverage or communications along with increased spectral efficiency, if power levels and Area of Protection (AOP) of the area are taken into account in system planning. These parameters must be established appropriate to the area of coverage.

In order to facilitate this effective method of system implementations, channels have been identified in certain areas of Region 9 that may be utilized in a smaller service area. These

channels are NOT eligible to be utilized throughout the county and the following criteria must be adhered to when requesting channels from Region 9:

The 50dBu service contour of the proposed system must not exceed an area more than 2 miles from the proposed service area. When this 2-mile distance extends to an adjacent region, the applicant must obtain concurrence from the adjacent region. Reduced external antenna heights, along with reduced ERP, directional antenna, distributed antenna systems, radiating coax, are tools that may be utilized in the development of these type systems.

These criteria will ensure the development of these types of systems will in no way interfere with co-channel or adjacent channel users within Region 9 or Region 9's adjacent regions.

The Chairperson, or a majority of the members of the region, has the authority to require engineering studies for the adjacent channel existing users prior to application approval. For 25 kHz co-channel assignments, the 50dBu service contour of the proposed stations will be allowed to extend beyond the defined service area for a distance no greater than 2 miles. An adjacent/alternate 25 kHz channel shall be allowed to have its 60 dBμ (50,50) contour touch, but not overlap the 40dBμ service (50,50) contour of an adjacent/alternate system being protected. Evaluations should be made in both directions to ensure compliance. The RPC is the final authority on parameters associated with "campus" type operations. (Engineering costs are covered under paragraph 4.1.c, above)

Low power fixed use applications received that indicate a proposed service contour that encroaches onto an adjacent region will be returned for modification to eliminate said encroachment prior to granting the channel allottment. If the application cannot be modified, the applicant must supply written concurrence of the original design from the adjacent region to the RPC before the allotment will be granted.

4.2 Procedure for Frequency Coordination

The RPC will adhere to 700 MHz General Use channel sort as shown on the CAPRAD database for narrowband General Use channels. Region 9 will utilize in the CAPRAD database and keep the Regional Plan and current frequency allotment/allocation information on the database. The RPC has both the ability to accept recommendations from the committee and/or the authority to change the original frequency allotment.

In order to keep the most effective frequency allotments within Region 9, an annual review of the allotments will be made at one of the scheduled meetings by the full committee and recommended changes to the plan will be voted on. The majority of members in attendance at a meeting of the full RPC must approve any changes to the Regional allotments. If at any time a system is allocated channels within Region 9 and the system cannot be developed within the agreed upon guidelines (slow growth), the channels will be returned to the county pool allotments they originated from and again be available to other agencies in the region. If plan

modifications are approved, the Chairperson will, if necessary, obtain adjacent Region approval and file a plan amendment indicating the approved changes with the Federal Communications Commission.

4.3 Allocation of Narrowband "General Use" Spectrum

The RPC recommends that allotments be made on the basis of one 25 KHz channel for every two (2) voice channel requests and one 12.5 KHz channel for each narrowband data channel request. Allotments will be made in 25 KHz groups to allow for various digital technologies to be implemented. All agencies requesting spectrum during the initial filing window will be allocated channels if plan requirements are met and spectrum is available. Agencies using Frequency Division Multiplexing (FDMA) will be expected to maintain 12.5 KHz equivalency when developing systems and will be required to utilize BOTH 12.5 KHz portions of the 25 KHz block. In most cases, this will require the geographic separation of each 12.5 KHz adjacent channel.

In order to promote spectrum efficiency, Region 9 will ensure that systems allocated 25 KHz channel blocks will utilize all of the channel and not "orphan" any portions of a system designated channel.

4.4 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 operation using analog operation. To facilitate analog modulation, this plan will allow aggregation of two 6.25 KHz channels for 12.5 KHz bandwidth.

On scene temporary base and mobile relay stations are allowed with an antenna height limit of 6.1 meter (20 feet) AGL (Above Ground Level). However, users are encouraged to operate in simplex mode with the least practicable amount of power to reliably maintain communications whenever possible. This plan does not limit use to analog only operations and channels are intended for use in a wide variety of applications that may require digital modulation types as well. The use of EIA/TIA-102, Project 25 Common Air Interface is required when using a digital mode of operation.

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), 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 as 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 (18) low power channels for which the Regional Planning Committee has responsibility:

- Generic- Channel #'s 1-4 and 949-952 are set aside as generic base channels for use by public safety agencies operating within Region 9, and the complementary mobile channels #961-964 and 1909-1912 are set aside as generic mobile channels also for use by public safety agencies likewise operating within Region 9.

- Fire/EMS/Consequence Management - Channel #'s 5-8 are designated as Fire Protection/Emergency Medical and Consequence Management base channels for licensing and exclusive use by the Fire/Emergency Medical disciplines, and the complementary mobile channel #'s 965-968 are set aside as Fire/Emergency Medical and Consequence Management mobile channels also for licensing and exclusive use by the Fire/Emergency Medical disciplines.

- Law/Crisis Management - Channels #'s 953-956 are set aside as Law Enforcement/Crisis Management base channels for licensing and exclusive use by the Law Enforcement discipline, and the complementary mobile channel #'s 1913-1916 are set aside as Law Enforcement/Crisis Management mobile channels also for licensing and exclusive use by the Law Enforcement discipline.

- Multidisciplinary Joint Public Safety Operations – Channel #'s 957-958 are set aside as Multidisciplinary Joint Public Safety Operations base channels for licensing and the complementary mobile channel #'s 1917-1918 are also set aside as Multidisciplinary Joint Public Safety Operations Channels for use by political subdivisions and public safety agencies operating under a unified command at a common incident for the express mission of safety of life, property or environment.

Simplex operations may occur on either the base or mobile channels. Users are cautioned to coordinate on scene use among all agencies involved, particularly when the use of repeaterized modes is possible at or in proximity to a common incident. Users should license multiple channels and be prepared to operate on alternate channels at any given operational area. Again, the RPC will require all 700 MHz users to have the capability to access ALL of the NCC approved interoperability channels in both duplex and simplex modes. Under no circumstances may a user claim a channel as exclusively theirs; all channels within this section are shared.

4.5 Wideband Data

SECTION REMOVED PER REPORT AND GENERAL ORDER 3/28/08

4.6 Dispute Resolution – Intra-Regional

In the event an agency disputes the implementation of this plan or the Federal Communications Committee approval of this plan or parts of this plan, that agency must notify the Chair in writing detailing the specific objectionable items and include their suggested change. This section does not apply to protests over new spectrum allocations. The Chair will attempt to resolve the dispute on an informal basis. If a party of the dispute includes the Chairman, then the Vice-Chairman will attempt resolution. In such cases, the Chairman 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 Chairman (or Vice-Chairman) will call for a full committee meeting.

The Regional Chairman (or Vice-Chairman) will chair any meetings convened for dispute resolution actions. The Committee will hear input from the disputing agency, any effected agencies and the Region Chair. The Committee will then meet in open session to produce a recommendation to resolve the dispute.

Should this recommendation not be acceptable to the disputing agency/agencies, the dispute and all written documentation from the dispute will be forwarded to the National Regional Planning Oversight Committee, for review. As a last resort, the dispute will be forwarded to the Federal Communications Commission for final resolution.

4.7 Priority Matrix

In the event that spectrum allocation 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 for the same channels. (The defined time frame shall be the same 30 day comment period identified in Section 4.1.c of this document) Otherwise, the first come first served procedure of Section 4.1.a will be used.

- Priority is given to users fundamentally involved with the protection of Life and Property. (15 points)
- Priority is given to multi-agency systems that promote multi-agency, inter-discipline, interoperable communications. These systems can be either a group of separate departments within a large agency or groups of agencies operating together under a large blanket agency, or a combination of both. (25 points)
- Documentation of proposed funding to construct the system using these 700 MHz frequencies must be available and accompany the original spectrum request. (25 points)

- The submission of proof of financial commitment or funding, accompanied by a RFP (Request for Proposal) outlining the design of the proposed system and detailing the development of the requested channels will be required to be submitted to the RPC. (35 points)

This process, if required, will be treated as a dispute and the procedures outlined in Section 4.1.c using the above criteria will be used to allocate the frequencies.

4.8 Process For Handling Uniformed Regions

The NCC Implementation Subcommittee recommends that all Regions use the following pre-planning methodology to facilitate coordination with adjacent Regions. This procedure will provide a spectrum allotment for adjacent Regions that do not immediately form a Committee.

Counties or other geographic subdivisions within 70 miles of the Regional border need to share spectrum with the adjacent Region(s). The sharing indicated is inherent in the CAPRAD Packing Program, as it views all counties nationwide as separate entities while ignoring state borders. With all criteria being equal, this ensures all counties are provided sufficient spectrum in accordance with their surrounding counties. The appropriate ratio of channels shall be allotted to counties in adjacent Regions based upon each county's population. A 25 KHz building block will be used to distribute spectrum between the Regions.
A description of the demographics of the affected border areas shall be included. The requirements for adjacent Region concurrence will require a waiver if the adjacent Region has not yet formed. The Region filing the Plan must use the pre-planning procedure outlined above. The waiver request must be filed concurrently with the Plan and contained in the cover letter.

4.9 Coordination With Adjacent Regions

The Regions adjacent to Region 9 are listed below:

Region 1
Region 10

Region 9 has coordinated channel allocations and received concurrence with all its bordering Regions by providing copies of the Region 9 plan (including channel allotments) to each adjacent Region using the CAPRAD database and by mailing hard copies, or electronic transmittal, of the Plan to the adjacent Region's Chairperson or Convener.

5.0 System Design/Efficiency Requirements

5.1 Interference Protection

The frequency allotment list will be based on an assumption that 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 to five mile area beyond.

Systems should be designed for minimum signal strength of 40 dBμ in the system coverage area while minimizing signal power out of the coverage area. TIA/EIA TSB88-A (or latest version) will be used to determine harmful interference assuming 40 dBμ 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.

Region 9 complies with National Coordination Committee recommendations listed in Appendix F of the Regional Planning Committee Guidelines published by the National Coordination Committee (NCC).

5.2 Spectrum Efficiency Standards

Initial allotments will be made on the basis of 25 KHz channels. To maximize spectrum utilization, prudent engineering practices and receivers of the highest quality must be used in all 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 are under-constructed (i.e.; areas with the established service area having minimum signal strength below 40 dBμ), or the systems utilize low quality receivers. The applicant's implementation of prudent engineering practices will be encouraged by the RPC at all times.

It is the eventual goal of the FCC and the public safety community for radio equipment to meet the requirement of one voice channel per 6.25 KHz of spectrum. When applying for channels within Region 9, the applicants should acknowledge the deadline for converting all equipment to 6.25 KHz or 6.25 KHz equivalent technology is 12/31/2016.

5.2 Loading Requirements

A. For systems defined as County/Municipality Systems, all frequencies that are operating on a single network control system, ISSI switch, or other dedicated control system, regardless of the license holder name or class of service, shall be counted and evaluated for loading per paragraph (B & C) below.

B. Mobiles may be counted only once for loading; applicants may not "cross load" another agency's mobiles if those mobiles have already been counted in the loading of the other agency's application or license.

C. Trunked Systems Loading requirements:

Applicants requesting new or expansion frequencies that are utilizing multiple slot TDMA, or FDMA trunking shall be calculated using the number of time slots instead of the number of channels as previously used for conventional systems. E.g. 400 mobiles

qualify for one 25 kHz frequency when the applicant is using 4-slot modulation technology for 6.25 kHz equivalency. Technology using 2-slot, P-25 technology shall be calculated at 12.5 kHz per slot. Trunked systems may be subject to a loss of channels not loaded to 100 mobiles per time slot in accordance with FCC Rules § 90.631.

Region 9 will encourage small agencies to partner with other agencies in multi-agency or regional systems as they promote spectrum efficiency and can better meet the capacity needs for both small and large agencies. Loading criteria can also be achieved in multi-agency systems that will allow greater throughput for all agencies involved than that which could be achieved individually.

5.3 Orphaned Channels

The narrowband pool allotments with Region 9 will have a channel bandwidth of 25 KHz. These 25 KHz allotments have been characterized as "Technology Neutral" and flexible enough to accommodate multiple technologies utilizing multiple bandwidths. If agencies choose technology that requires less than 25 KHz channel bandwidth for their system, there is the potential for residual, "orphaned channels" of 6.25 KHz or 12.5 KHz bandwidth immediately adjacent to the assigned channel within a given county area.

An orphan channel may be used at another location within the county area where it was originally approved; if it meets co- and adjacent channel interference criteria. Region 9 will utilize **"county areas"** as guidelines for channel implementation within the area of Region 9. The definition of **"county area**" in this plan is the geographical/political boundaries of a given county, plus a distance of up to 10 miles outside of the county.

If the channel, or a portion of a channel, is being moved into a "county area" that is within 30 miles of an adjacent region, Region 9 will receive concurrence from the affected region. Extending the "county area" by a designated distance will increase the possibility that orphaned channel remainders can still be utilized within the "county area", and reduce the potential for channel remainders to lay dormant and remain unused within a county channel allotment. These movements will be documented on the CAPRAD database.

If the "orphaned channel" does not meet co-channel and adjacent channel interference criteria by moving it within the "county area" as listed above, and it is determined by the region that the "orphaned channel" cannot be utilized in the region without exceeding the distance described in the "county area" listed above, Region 9 will submit a plan amendment to the FCC to repack the channel to a location where its potential use will maintain maximum spectral efficiency. This FCC plan amendment will require affected region concurrence.

When in the best interest of public safety communications and efficient spectrum use within the Region, the Region 9 RPC shall have the authority to move orphan channel allotments, and/or co-/adjacent-channel allotments affected by the movement of orphan channels, within its "county areas", which are defined above.

This is to retain spectrum efficiency and/or minimize co-channel or adjacent channel interference between existing allotments within the region utilizing disparate bandwidths and technologies.

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. Florida is subject to many natural disasters and contains regions and facilities, which may be susceptible to a man-made disasters or weapons of mass destruction attack. Mutual aid should be encouraged among agencies. The Plan seeks to facilitate the communications necessary for effective mutual aid.

The State of Florida will administer the 700 MHz interoperability channels via the Florida Executive Interoperability Technologies Committee, hereafter known as the FEITC, under National Coordination Committee's (NCC) guidelines. If at any time the FEITC is unable to function in the role of administering the interoperability channels in the 700 MHz band, the State shall surrender that role to the RPC who will assume this role and notify the FCC in writing of the change in administrative duties. See the NCC Implementation Subcommittees Table of Interoperability Channels in Appendix "E".

6.2 Tactical Channels

Due to the immediate availability of 700 MHz public safety channels in Florida, Region 9 will not set aside additional channels for interoperability use within the region. It is anticipated the sixty-four FCC designated interoperability channels (6.25 KHz) will be sufficient to provide interoperability (voice and data) within Region 9.

All mobile and portable units operating under this Plan and utilizing 700 MHz channels must be programmed with the minimum number of channels called for either in NCC guidelines or as the FEITC specifies. The channel display in these radios will be in accordance with the NCC guidelines that have common alphanumeric nomenclature to avoid any misinterpretation of use within Region 9.

6.3 Deployable Systems

In this Plan, Region 9 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 designated 700 MHz interoperability channels and/or agency specific General Use Channels. This will minimize the expense of installing extensive fixed infrastructure in areas while still providing mission critical functionalities as the Region recognizes the difficulty of providing complete coverage in all areas due to financial, demographic and geographical constraints.

Agencies should have conventional deployable systems capable of being tuned to any of the FCC designated/NCC recommended 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 FEITC 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

700 MHz licensees will be responsible for monitoring interoperable calling channels. The FEITC will develop operational guidelines for this function. Appendix E specifies what shall be used for radio displays for the required Interoperability channels.

7.0 Future Planning

The CAPRAD pre-coordination database has developed channel allotments in each county area within Florida using criteria such as current population, 2010 Census data, height above average terrain (HAAT) and public safety use curves generated by the Public Safety Wireless Advisory Committee (PSWAC) to provide spectrally efficient frequency allotments.

7.1 Inter-Regional Dispute Resolution Process

In the event that a dispute arises between Region 9 and an adjacent Region or Regions, regarding spectrum allocations or implementation, that cannot be resolved within 60 days, the parties to the dispute will request a hearing by the National Regional Planning Oversight Committee**.**

See Appendix H for details and Inter-Regional Dispute Resolution Agreements signed by adjacent Regions 1 and 10.

8.0 Certification

I hereby certify that all planning committee meetings, including subcommittee or executive committee meetings were open to the public. A summary of the deliberations of the Committee pursuant to adopting this Plan can be found in Appendix E, in the minutes of the January 14, 2003 Regional Planning Meeting.

Raymond Carlson

Chairman, Region 9

Appendices

Appendix A	**Bylaws**
Appendix B	**Region 9 Members, Agencies, Contact Information and Voting Status**
Appendix C	**Region 9 (Florida) Counties**
Appendix D	**List of Meeting, summaries of minutes, agendas**
Appendix E	**700 MHz Interoperability channel nomenclature**
Appendix F	**NCC 700 MHz Pre-Assignment Rules/Recommendations**
Appendix G	**Region 9 Channel allotments**
Appendix H	**Inter Regional Dispute Resolution Agreement**

Appendix A

Region 9 By-Laws

THE BYLAWS OF REGION 9/700 MHz PUBLIC SAFETY COMMITTEE

ADOPTED JANUARY 17, 2001
AMENDED MAY 3, 2001 (Amendment 1)
ADMENDED MAY 19, 2003 (Amendment 2)

ARTICLE 1

NAME & PURPOSE

1.1 Name and purpose. The name of this Region shall be Region 9/700 MHz Public Safety Committee. Its primary purpose is to foster cooperation, planning, development of regional plans and the implementation of these plans in the 700 MHz Public Safety Band.

ARTICLE II

MEMBERS

For purposes of this Article, the term "member," unless otherwise specified, refers to both voting and non-voting members.

2.1 Number, Election and Qualification. The Region 9/700 MHz Public Safety Committee shall have two classes of members, "voting members" and "non-voting members." New members may be added at any time by written request to the Region 9/700 MHz Public Safety Committee Secretary.

2.2 Voting Members. Voting members shall consist of one representative from any single agency eligible to hold a license under 47 CFR 90.20, 47 CFR 90.523 or 47 CFR 2.103 and holds a unique FCC Universal Licensing System (ULS) identifier.

2.3 Non-Voting Members. Non-voting members are all others interested in furthering the goals of public safety communications.

2.4 Tenure. In general, each member shall hold MEMBERSHIP from the date of acceptance until resignation or removal.

2.5 In voting on any issue the individual must identify himself/herself and the agency which he or she represents.

2.6 Powers and Rights. In addition to such powers and rights as are vested in them by law, or these bylaws, the members shall have such other powers and rights as the membership may determine.

2.7 Resignation. A member may resign by delivering written resignation to the chairman, vice-chairman, treasurer or secretary of the Regional Committee or to a meeting of the members.

2.8 Annual Meetings. The annual meeting of the members shall be held at a date, time and location as determined by the Officers. If an annual meeting is not held as herein provided, a special meeting of the members may be held in place thereof with the same force and effect as the annual meeting, and in such case all references in these bylaws, except in this Section 2.6, to the annual meeting of the members shall be deemed to refer to such special meeting. Any such special meeting shall be called and notice shall be given as provided in Section 2.11 and 2.12.

2.9 Special Meetings. Special meetings of the members may be held at any time and at any place within the Regional Committee area. Special meetings of the members may be called by the chairman or by the vice-chairman, or in case of death, absence, incapacity, by any other officer or, upon written application of two or more members.

2.10 Call and Notice.

A. Notice shall be given to each member. Such notice need not specify the purposes of a meeting, unless otherwise required by law or these bylaws or unless there is to be considered at the meeting (i) amendments to these bylaws, (ii) removal or suspension of a member who is an officer.
B. Reasonable and sufficient notice. Except as otherwise expressly provided, it shall be reasonable and sufficient notice to a member to send notice by mail or by e-mail/facsimile at least fifteen days before the meeting, addressed to such member at this or her usual or last known business address.

2.10.1 Quorum. At any meeting of the Region 9/700 MHz Public Safety Committee, voting members present shall constitute a quorum.

2.11 Action by Vote. A majority of the votes properly cast by members present shall decide any question, including election to any office, unless otherwise provided by law or these bylaws.

2.12 Action by Writing. Any action required or permitted to be taken at any meeting of the members may be taken without a meeting if all members entitled to vote on the matter consent to the action in writing and the written consents are filed with the records of the meetings of the members. E-mail

responses shall be considered a written consent. Such consents shall be treated for all purposes as a vote at a meeting.

2.13 Proxies. Voting members may vote either in person or by written proxy dated not more than one month before the meeting named therein, which proxies shall be filed before being noted with the secretary or other person responsible for recording the proceedings of the meeting. Unless otherwise specifically limited by their terms, such proxies shall entitle the holders thereof to vote at any adjournment of the meeting by the proxy shall terminate after the final adjournment of such meeting.

ARTICLE III

OFFICERS AND AGENTS

3.1 Number and qualification. The officers of the Region 9/700 MHz Public Safety Committee shall be a chairman, vice-chairman, treasurer, secretary, sub-region chairmen, and such other officers, if any, as the voting members may determine.

The purpose of the Officers, acting on behalf of the membership, will be to perform the operational duties of all aspects of the Florida Region 9/700 MHz Public Safety Plan.

3.2 Election. The voting members at their first meeting, January 17, 2001 shall elect the officers. Thereafter, Officers shall hold office until the first Region 9/700 Mhz. plan is approved by the FCC, after which time the election of officers shall continue at the next annual meeting.[1]

3.3 Chairman and Vice Chairman. The chairman shall be the chief executive officer of the Regional Committee and, subject to the control of the voting members, shall have general charge and supervision of the affairs of the Regional Committee. The chairman shall preside at all meetings of the Regional Committee. The Vice-Chairman, if any, shall have such duties and powers as the voting members shall determine. The Vice-chairman shall have and may exercise all the powers and duties of the chairman during the absence of the chairman or in the event of his or her inability to act.

3.4 Treasurer. The treasurer shall be the chief financial officer and the chief accounting officer of the Regional Committee. The treasurer shall be in charge of its financial affairs, funds, and valuable papers and shall keep full and accurate records thereof.

3.5 Secretary. The secretary shall record and maintain records of all proceedings of the members in a file or series of files kept for that purpose, which file or files shall be kept within Region 9 and shall be open at all reasonable times to the inspection of any member. Such file or files shall also contain

[1] Amendment 2, adopted May 19, 2003

records of all meetings and the original, or attested copies, of bylaws and names of all members and the address (including e-mail address, if available) of each. If the secretary is absent from any meeting of members, a temporary secretary chosen at the meeting shall exercise the duties of the secretary at the meeting.

3.6 Suspension or Removal. An officer may be suspended or removed from office with cause by vote of a majority of the voting members present during a meeting.

3.7 Resignation. An officer may resign by delivering his or her written resignation to the chairman, vice-chairman, treasurer, or secretary of the Regional 9 Committee. Such resignation shall be effective upon receipt (unless specified to be effective at some other time), and acceptance thereof shall not be necessary to make it effective unless it so states.

3.8 Vacancies. If the office of any officer becomes vacant, the Officers of the Regional Committee by majority, shall appoint a successor. Each such successor shall hold office until the next annual membership meeting at which point the position will be open for nominations.

ARTICLE IV

AMENDMENTS

These bylaws may be altered, amended or repealed in whole or in part by vote. The voting members may by a majority vote of members present if voting occurs under Section 2.08/2.09, or, majority of members responses to a meeting called under 2.13 of these by-laws , alter, amend, or repeal any bylaws adopted by the Region 9/700 MHz Public Safety Committee members or otherwise adopt, alter, amend or repeal any provision which FCC regulation or these bylaws requires action by the voting members.

ARTICLE V

DISSOLUTION

This Region 9/700 MHz Public Safety Committee may be dissolved by the consent of two-thirds plus one of the members in good standing at a special meeting called for such purpose. The FCC shall be notified.

ARTICLE VI

RULES OF PROCEDURES

The Conduct of Regional Meetings including without limitation, debate and voting, shall be governed by Robert's Rules of Order, newly revised 1990 edition, ninth edition, Sarah Corbin Robert, Henry M. Robert III, and William J. Evans.

Appendix B

Region 9 Members, Agencies, Contact Information and Voting Status

Name	Company Name	Address			Telephone #:	Cell	Email address	Government Agency
Adams, Nick	Florida Dept of Transportation							
Albright, James	Clearwater Police Dept.						jalbright@clearwaterpolice.org	
Allon, Peter	M/A-Com						allanpe@tycoelectronics.com	
Bahr, Forrest	City of Miami Fire						Wbahr@ci.miami.fl.us	
Bishop, Harold	City of Miami P.D.						harold.bishop@miami-police.org	
Broderick, Patty	Orange County Public Safety	3663 S. John Young Parkway	Orlando	32810	407-836-3474	407-836-3774	pbroderick@co.orange.fl.us	County government
Byrum, David	Pinellas County Sheriff	10750 Ulmerton Road	Largo	33778	727-582-6310	727-582-6253	dbyrum@pcsonet.com	Law Enforcement
Carlson, Raymond	Palm Beach County Sheriff's Office	3228 Gun Club Road	West Palm Beach	33406	561-688-3514	561-688-3778	carlsonr@pbso.org	Sheriff's Office
Carrillo, Bill	Miami-Dade County	5680 SW 87 Avenue	Miami	33173	305-596-8885	305-596-8396	EN335@co.miami-dade.fl.us	County Radio Communications
Cawood, George	Volusia County	123 W. Indiana Ave.	Deland	32720	386-822-5086	386-323-3530	gcawood@co.volusia.fl.us	
Carroll, Mike	Hillsborough County						mcarroll@hcso.tampa.fl.us	
Clauson, Bill	Volusia County	119 W. Indiana Ave.	Deland	32720				
Colbert Robert	Seminole County Sheriffs Office	100 Bush Dlvd.	Sanford	32773	407-665-6608	407-302-6788	bcolbert@earthlink.net	County Sheriffs Office
Conklin, Eric	Brevard County Commissioners	2725 Judge Fran Jamieson Way, Bldg C	Viera	32940	321-637-5330	321-690-6842	eric.conklin@countygovt.brevard.fl.us	County Government
Cordova, Alex	Motorola				813-404-0290		alex.cordova@motorola.com	
Curtis, Clark	Palm Beach County	3323 Belvedere, Bldg 506	West Palm B.	33406	561-233-4419	561-233-4435	icurtis@co.palm-beach.fl.us	County Governement
Dean, Ray	Motorola, Inc.	2170 SR 434, Suite 245	Longwood	32779	407-576-5273	407-576-5276	Ray.Dean@motorola.com	Motorola Sales
Dickmann, Dave	Professional Communications Consultants	201 Fletcher Ave	Sarasota	34237	941-329-6000	941-329-6030	ave@dlr.com	Engineering Consultant

Eierman, David	Motorola	7230 Parkway Dr.	Hanover MD.	21076	410-712-6242	410-712-6208	david.eierman@motorola.com	
English, Wayne	Municipal Public Safety Comm Consortium	301 N. Olive Avenue, Suite 1001	West Palm Beach	33401	561-355-2326	561-355-4941	wenglish@co.palm-beach.fl.us	Government
Ferrell, Bob	State of Florida	4030 Esplanade Way	Tallahassee		850-922-7406	850-487-2329	bob.ferrell@myflorida.com	State Communications agency
Filla, Mark	Palm Beach County Communications						mfilla@co.palm-beach.fl.us	
Fodi, Dennis	Pasco County Comm.	8744 Government Drive	New Port Richey	34654	727-847-8189		dfodi@pascocountyfl.net	
Fuchs, Linda	State Tech. Office				850-488-8036	850-488-0445	linda.fuchs@myflorida.com	
Furtaw, Bob	Tait Electronics						bob,furtaw@tait.co.nz	
Gallelli, Joe		477 Seminole Woods	Geneva	32737	407-349-9199	407-349-9199	102652.1051@compuserve.com	Consultant
Gaston, Keith	Florida Highway Patrol				904-301-3660	904-301-3661	gaston.keith@fhp.hsmv.state.fl.us	
Gonzalez, Jorge	RCC Consultants, Inc.						jogonzalez@rcc.com	
Hamlin, Roy	City of Miami						Rhamlin@ci.miami.fl.us	
Harrington, Mike	Motorola				239-574-8765	239-574-9876	michael.harrington@motorola.com	
Harris, Urana	Florida Highway Patrol				904-301-3663	904-301-3661	harris.urana@fhp.hsmo.state.fl.us	
Hattaway, Thomas	Orlando Fire Department	439 S. Magnolia Ave.	Orlando	32801	407-246-4132	407-246-2748	thomas.hattaway@ci.orlando.fl.us	Communications Technician
Hoffay, Earl	Jacksonville						ehoffay@coj.net	
Holycross, Ben	Polk County Emergency Management	285 N. 3rd Ave.	Bartow	33830	863-519-3930	863-519-3929	holycros@gte.net	County Government
Jenkins, Richard	Martin County	2301 Aviation Way	Stuart	34996	772-463-3257	772-260-2679	rjenkins@martin.fl.us	Consultant
Johnson, Todd	Motorola				954-723-8926		todd.johnson@motorola.com	
Justre, Bob	City of Tampa	3701 12th St.	Tampa	33603	813-242-5332	813-242-5327	fe19@ci.tampa.fl.us	City Governemnt
Kager,Andrew	Motorola	P.O. Box 864	Zellwood	32794	407-832-1891		andrew.kager@motorola.com	
Kandel, Joel	Kandel and Associates	601 NW 71st Ave.	Plantation	33317-1122	954-791-4275	954-791-7461	jkandel@ix.netcom.com	Consultant
Kessler, Jerry	RCC Consultants, Inc.	930 Thomasville Road, Suite 200	Tallahassee	32303-6299	850-212-6455	850-224-3059	jkessler@rcc.com	Consulting
King, Doug	Hillsborough County						dmking@hcso.tampa.fl.us	
Kintz, John	Broward County Fire Rescue	2601 W. Broward Blvd.	Ft. Lauderdale	33312	954-831-8253	954-831-8265	jkintz@broward.org	County Fire Agency
Kirk, Frank	Seminole County public Safety	150 Bush Blvd.	Sanford	32773	407-665-5911	407-665-5049	fkirk@co.seminole.fl.us	Fire Rescue 911 Management.
Latif, Farokh	APCO						latiff@apco911.org	
Laventure, Robert	Palm Beach County				561-233-4423	561-233-4439	rlaventure@co.palm-beach.fl.us	
Lineberry, Gill T.	APCO - Florida Advisor	1154 Western Way	Orlando	32804	407-843-4122		glineberry@prodigy.net	Frequency Coordination
Longueira, Joe	City of Miami P.D.						joseph.longueira@miami-police.org	
Lopez, Glenn	Volusia County Sheriff's Office				386-248-1770	386-254-1525	Glopez@so.co.volusia.fl.us	

Luke, Barry	Orange County Fire Rescue	6590 Amory Ct.	Winter Park	32792	4047-836-9119		barry.luke@co.orange.fl us	County Fire Agency
Luke, Robert	Tampa Police						robert.luke@tampagov.net	
McLaughlin,Brian	Clearwater Police Dept.						bmclaughlin@clearwaterpolice.org	
Madden, Roger	Fl. Dept. of Transportation	605 Suwannee St. MS90	Tallahassee	32399-0450	850-414-4986	850-410-5488	roger.madden@dot.state.fl.us	State department of transportation
Magruder, Leven	City of Tallahassee	642-C Mabry Street	Tallahassee	32304	850-891-5370	850-891-5374	magrudel@talgov.com	City Government
Marks, Al	ADM Marketing Associates	29005 Palm shores Blvd.	Punta Gorda	33982	941-639-1513	941-637-6932	admmktg@isni.net	Vendor
Mathis, Lee	City of Jacksonville, Telecom	801 Broadcast Pl.	Jacksonville	32207	904-545-2242	904-665-4354	mathhl@jea.com	City of Jacksonville
Mayr, Ken	St. Lucie County Fire						kmayr@slcfo.org	
Mitchell, Steve	Hillsborough County Sheriff's Office				813-247-0972		smitchell@hcso.tampa.fl.us	
Montanari, Pam	Pinellas County Government	12490 Ulmerton Road	Largo	33774	727-582-3509	727-582-2555	pmontana@co.pinellas,fl.us	Government
Nehring, Terry	City of Tampa Electronics	3701 12th Street	Tampa	33603	813-242-5332	813-242-5327	FE12@ci.tampa.fl.us	City Government
Oblak, John	E.F. Johnson	299 Johnson Ave. SW	Waseca, MN	56093	507-835-6276	507-835-6666	joblak@efjohnson.com	
Oliveras, Tommy	Seminole County	180Bsh Blvd Rm 308	Sanford	32772	407-665-5118	407-665-5248	tolivera@co.seminole.fl us	County Government
Osman, Dell	Motorola	789 International Parkway	Sunrise	33325	954-723-8918	954-457-0930	dell.osman@motorola.com	Vendor
Otero, Jose R.	Miami-Dade County	5680 SW 87 Avenue	Miami	33173	305-596-8409	305-596-8774	JRO@miamidade.gov	County Radio Communications
Otero, Jose R.	Miami-Dade County				305-596-8909		dog@miamidade.gov	
O'Toole, John	E F Johnson						jotoole@efjohnson.com	
Pache, Raymond	Dataradio						rpache@dataradio.com	
Pallans, Mark D.	City of Fort Lauderdale	100 N. Andrews Avenue	Fort Lauderdale	33301	954-828-5790	954-828-5957	markp@ci.ftlaud.fl.us	City Government
Pape, Michael	City of Tallahassee	642-C Mabry Street	Tallahassee	32304	850-891-5375	850-891-5374	papem@talgov.com	City Government
Peek, Chris	Hillsborough County						cpeek@hcso.tampa.fl.us	
Pegram,. Helen (Vickie)	Greater Orlando Aviation Authority	One Airport Blvd.	Orlando	32712	407-825-2063	407-240-1530	vpegram@goaa.org	Airport Authority
Perez, Jose. R.	Miami-Dade County	6010 SW 87 Avenue	Miami	33173	305-596-8909		pogs@metro-dade.com	County Gov't Infrastructure
Phillips, Lewis	RCC Consultants, Inc.						lphillips@rcc.com	
Poe, Norman	City of Orlando	100 S. Hughey St.	Orlando	23801	407-246-3659	407-246-2549	norm.poe@ci.orlando.fl.us	Municipial Government
Posey, Terry	RCC Consultants, Inc.	930 Thomasville Road, Suite 200	Tallahassee	32303	850-224-4451	850-224-3059	tposey@rcc.com	
Quigley, Bill	Sarasota County Emergency Services	1660 Ringling Blvd.	Sarasota	34236	941-951-5283	Cell 941-915-7708	bquiale@scgov.net	County Government
Reynolds, Gia	St. Johns Co. Fire Rescue				904-829-2226		greynolds@co.st-johns.fl.us	
Rinehart, Bette	Motorola	1270 Fairfield Rd.	Gettysburg, PA	17325	717-334-0654	717-334-9588	c18923@email.mot.com	Manafacature

Rittenburg, Gray	Dataradio						grittenburg@dataradio.com	
Rogell, Pete	Relm Wireless/BK Radio						progell@relm.com	
Rossbach, Steve	City of Miami P.D.						steve.rossback@miami-police.org	
Roth, John	Atlantic Scientific Corp	4300 Fortuen PL. Suite A	W. Melbourne	32904	321-725-8000	321-727-07361	jroth@atlanticscientific.com	Surg Protection Vendor
Rudiger, Ginger	Polk County Emergency Management						gingerrudiger@polk-county.net	
Saliba, Jean-Pierre	State Technology Office				850-922-7418	850-414-8324	jean-pierre.saliba@myflorida.com	
Santana, Eliseo	Pinellas County Sheriff	10750 Ulmerton Road	Largo	33778	727-582-6311	727-582-6253	esantana@co.pinellas.fl.us	Law Enforcement
Selema, Luis	City of Miami						lselema@cl.miami.fl.us	
Shank, Carl	St. Johns Co. Fire Rescue				904-823-2526		cshank@co.-st-johns.fl.us	
Siebert, Jennifer	Hillsborough County						jsiebert@hcso.tampa.fl.us	
Sneed, Elmer	Seminole County Telecom	150 Bush Road	Sanford	32772	407-665-5118	407-665-5248	esneed@co.seminole.fl.us	County Government
Solinske, David	City of St. Petersburg	551 19th St. North	St. Petersburg	33713	727-551-3211	727-892-5435	dhsolins@stpete.org	City Government
Sorley, Tom	Orange County	3511 Parkway Center Ct.	Orlando	32808	407-836-2792	407-521-4682	Tom.Sorley@ocfl.net	County Government
Stewart, Mindy	City of Ocala	P.O. Box 1270	Ocala	34478	352-369-7197	352-369-7217	mstewart@ocalapd.org	City Government
StillWell, Matthew	City of Coral Springs	2801 Coral Springs Drive	Coral Springs	33065	954-346-1365	954-346-1357	mjs@ci.coral-springs.fl.us	City Government
Striker, George	Hillsborough County Sheriff's Office		Tampa	33619	813-247-0021		gstriker@hcso.tampa.fl.us	
Ward, Marilyn	Orange County	3511 Parkway Center Ct.	Orlando		407-836-9668		marilyn.ward@co.orange.fl.us	Government
Waugaman, William R.	E.F. Johnson Co.	523 White Collums Way	Wilmington NC	28411	910-681-0252	910-681-0253	bwaugaman@efjohnson.com	Vendor
Weissgerber, Frank		18411 Dembridge Dr. Sinclair	Davidson, NC	28036	704-895-3646	same	f.weissgerber@att.net	Antenna systems vendor
Wells, Carlton	State of Florida-STO: Communications	4030 Esplanade Way	Tallahassee	32399-0950	850-922-7426	850-487-2329	carlton.wells@myflorida.com	State Communications
Williams, Dick	Pinellas County						rwilliam@co.pinellas.fl.us	
Willis, Milton	City of Tallahassee				850-891-5496	850-891-5374	willism@talgov.com	
Winter, Paul	Charlotte County - Emergency Management	7474 Utilities Road	Punta Gorda	33982	941-575-5343	941-575-5337	paul.winter@CHARLOTTEFL.com	County Government
Wostel, Ron	City of Tallahassee	642-C Mabry Street	Tallahassee	32304	850-891-5373	850-891-5374	wostelr@talgov.com	City Government
Wurster, Stephen	Motorola						steve.wurster@motorola.com	
Zelazny, Robert	Palm Beach County	3323 Belvedere, Bldg 506	West Palm Beach	33406	561-233-4401	561-233-4439	rzelazny@co.palm-beach.fl.us	Director of County Communications
Zorrilla, Diana	Motorola							

Appendix C

Florida Counties

Alachua	Flagler	Lafayette	Pinellas
Baker	Franklin	Lee	Polk
Bay	Gadsden	Leon	Putnam
Bradford	Gilchrist	Levy	Santa Rosa
Brevard	Glades	Liberty	Sarasota
Broward	Gulf	Madison	Seminole
Calhoun	Hamilton	Manatee	Suwannee
Charlotte	Hardee	Marion	St. Johns
Citrus	Hendry	Martin	St. Lucie
Clay	Hernando	Monroe	Sumter
Collier	Highlands	Nassau	Taylor
Columbia	Hillsborough	Okaloosa	Union
Dade	Holmes	Okeechobee	Wakulla
Desoto	Indian River	Orange	Walton
Dixie	Jackson	Osceola	Washington
Duval	Jefferson	Palm Beach	Volusia
Escambia	Lake	Pasco	

Appendix D

List of Meetings, Summaries of Minutes, Agendas

Florida 700 MHz Region Committee Meeting
May 3, 2001
St. Petersburg, Florida
Minutes

Session opened at 10:40 AM EST.

Presiding officers present:

Chairman, Mark Pallans, City of Ft. Lauderdale
Treasure, Pam Montanari, Pinellas County
Secretary, Ray Carlson, Palm Beach County
14 voting members, Sign in sheet attached.

Mr. Pallans opened the session by providing instructions for the sign in procedure and introductions.

- First order of business.

Extensive discussion was held on the terms of office with reference made to Article III of the by-laws. Motion was made that the terms shall be for one year for all officers, with elections held during the annual State of Florida APCO conference. Motion passed.

- Second order of business, establishment of sub-regions.

Discussion was held on the method and configuration of the sub-regions. Motion was placed on the floor by Jose Otero and seconded by Carlson Wells, that the existing Region 9 Committee system of sub-region boundaries be adopted for the 700 MHz Committee. Motion passed.

Motion placed on the floor by Terrance Stillwell and seconded by Ray Carlson, that the State of Florida would have one vote as an active member, and the CIO of the Department of Information Technologies shall appoint the active member.

- Third order of business, election of officers. Note: voting members changed as attendees left or entered the meting.

Floor was opened for nominations of officers:

Nomination for Chairman: 1, Mark Pallans, placed by Ben Holycross and seconded by Jose Otero. 2, Tom Sorley, placed by Mr. Sorley and seconded by Carlton Wells. Voting was taken, Mr. Pallans 11 votes, Mr. Sorley 3 votes. 2001 Chairman is Mr. Pallans.

Nomination for Vice-Chairman: 1, Gill Lineberry by Eric Conklin seconded by Terress Nehring. 2, Ray Carlson by Ben Holycross, seconded by Mark Pallans. 3. Tom Sorley, declined. Voting was taken, Mr. Lineberry received 8 votes, Mr. Carlson received 9 votes. Vice-Chairman for 2001 is Mr. Carlson.

Nominations for Treasure: One nominee, Pam Montanari was placed on the floor by Terry Nehring and seconded by Marl Pallans. Carlson Well declined nomination. Unanimous approval.

Nominations for Secretary: One nominee, Gill Lineberry, was placed on the floor by Ray Carlson and seconded by Ben Holycross. Unanimous approval.

- Forth order of business, election of sub-region chairmen.

Subregion 1: Kevin Sewell, nominated by Marl Pallans and seconded by Ray Carlson.

Subregion 2: Linden McGruder, nominated by Jerry Kesteler and seconded by Terry Nehring.

Subregion 3: Earl Hoffay, nominated by Marl Pallans and seconded by Kevin????

Subregion 4: Tom Sorley, nominated by Ray Carlson and seconded by Marl Pallans

Subregion 5 Ben Holycross, nominated by Mark Pallans and seconded by Paul???

Subregion 6: Paul Winter, nominated by Mark Pallans and seconded by Ben Holycross.

Subregion 7: Jose Othero, nominated by Mark Pallans and seconded by Ben Holycross.

Subregion 8: Carlton Wells, appointed by the State.

All Subregion offices were voted in and accepted.

- Fifth order of business, NCC update.

Marlyn Ward of Orange County, Carlton Wells from the State of Florida and Mark Pallans presented the latest status of the NCC committees.

- Sixth order of business, funding.

Pam Montanari, treasure stated that a request was made to the Federal offices on March 14, 2001 for the $2,000 in funding due the Committee to off set business expenses.

- Seventh order of business, Open Discussion.

Discussion on the question of eligibility was floored. After lengthily review, Mr. Gill Lineberry placed a motion, seconded by Pam Montanari, on the floor that any agency with a FCC Universal Licensing System identifier (ULS) will be the voting member representing all agencies that fall under that specific ULS ID number. Motion passed. The by-laws will be modified accordingly.

Meeting was recorded on videotape for archival records and accuracy.

Meeting was adjourned at 12:00 noon by Mr. Pallans

THE FLORIDA REGION COMMITTEE

(700 MHz Planning)

Federal Communications Commission Region 9

REGION MEETING

May 6, 2002

AGENDA

1. Introduction of Sub-region Chairmen
2. Introduction of special guests
3. Minutes of previous meeting
4. Treasurer's report
5. Status of National Plans
6. Status of National Database
7. Other Business
8. Open floor
9. Election of Officers

The Florida Region 9/700 Committee

Minutes, Annual Meeting May 6, 2002

Cape Canaveral, Florida

- Introduction of Board Members:

  Mark Pallans, Chairman
  Ray Carlson, Vice-Chairman
  Pam Montanari, Treasure
  Secretary, Vacant

- Introduction of Sub-Region Members:

  Sub-Region 1: Kevin Sowell, Santa Rosa County
  Sub-Region 2: Linden McGruder
  Sub-Region 3: Earl Hoffay, City of Jacksonville
  Sub-Region 4: Tom Sorley, Orange County
  Sub-Region 5: Ben Holycross, Polk County
  Sub-Region 6: Paul Winter, Charlotte County
  Sub-Region 7: Jose Othero, Miami-Dade County
  Sub-Region 8: Florida State Technology Office, at large

- Introductions of attendees, 27 visitors, Mark Pallans

- Handout out CD's with 700 committee data and past meeting notes, Ray Carlson

- Treasures report, Pam Montanari:

  Starting balance $2,500
  Current Balance $2,272.92

- Report on NPSTIC, Marylin Ward, Orange County Public Safety

- Chairman's report, Mark Pallans, NCC meeting held in New York.

- Report on NEXTEL NPRM, Mark Pallans

- Status of National Plan, Mark Pallans

- Questions from the floor on the 700 Mhz. committee plan

- Attendees that wish to work on the 700 Mhz project were asked to contact Mark Pallans at markp@ci.fort-lauderdale.fl.us.

- Elections:

  Treasure: Nominations, Pam Montanari, by Ben Holycross, 2th by Ray Carlson, Unanimous vote

  Secretary: No nominees.

  Vice Chair: Nomination of Ray Carlson by Ben Holycross, second by an unknown speaker, Unanimous vote.

  Sub-Region Chairman positions:

  Motion by Pam Montanari that all subs be reappointed for the next term. Seconded by Ben Holycross. Discussion, no Sub-Regional Chairmen declined the nomination, no other attendee volunteered to chair a Sub-Region, nor were any other nominations made form the floor. Sub-Region 8 was defined as an assigned position with the State Technology Office appointing a person to fill the position. Unanimous vote.

  Chairman: Nomination of Mark Pallans by Ben Holycross, second by Jose Othero, discussion, Unanimous vote.

- Floor open for new issues.

  Motion by Ben Holycross and seconded by Mr. Pallans that the Region by-laws be amended to change the election of officers to be withheld until the Region 9/700 plan is approved by the FCC. Discussion was held and vote passed in favor of the by-law changes. The Region by-laws will be modified to reflect the vote and become amendment #2, dated May 6, 2003.

  Discussion on Proxy voting from Sub-Region 7, Jose Othero. Review of by-laws establishing proxy voting by the Chair.

  Floor discussion on the Housed and Senate positions of the 700 Mhz. actions and timelines. Carlton Wells

- Closing comments, Mark Pallans

- Motion to adjourned

- Submitted by:

Ray Carlson, Vice-Chairman, Florida Region 9/700 Committee.

Florida 700 MHz Committee
FCC Region 9
Meeting Announcement

The Florida 700MHz Committee will hold a Region Committee meeting on Monday, May 19, 2003 in Sarasota, Florida in conjunction with the APCO Florida Chapter meeting. The meeting will take place at 10:30 AM at the Sarasota Hyatt Hotel. The room will be indicated in the hotel lobby. The primary agenda items include; current status of 700 MHz licensing, the current status of the Florida Region Plan for 700 MHz, an explanation of CAPRAD, formation of a region technical committee, formation of a committee to develop a needs assessment questionnaire and other items that may arise. A formal agenda will be provided on the day of the meeting. Following the formal meeting, members of the Committee will provide a training session in the use of the CAPRAD frequency allotment software developed by NLECT. All committee members, potential major system users, frequency coordinators, equipment vendors and other interested parties are invited to attend this session. An understanding of the CAPRAD system is a necessity for the future allocation of 700 MHz band frequencies within the State of Florida. **IMPORTANT NOTE**: Those wishing to attend the training session **must** register in advance to insure a seat. For more information contact Mark D. Pallans, Telecommunications Manager, City of Fort Lauderdale, 100 North Andrews Avenue, Fort Lauderdale, FL 33301. Phone 954.828.5791. E-mail markp@ci.fort-lauderdale.fl.us.

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THE FLORIDA REGION 9 COMMITTEE

(700 MHz Planning)

Mr. Ray

Palm

3228

West

(561)

FAX

May 1, 2004

RE: Minutes of May 13, 2003
Annual Meeting

The 2003 annual meeting of the Florida Region 9/700 Committee was held on May 19, 2003 in Sarasota Florida. These are the condensed meeting minutes. A complete copy is archived on VHS videotape for additional reference.

- Introduction – Mark Pallans.

  Mr. Pallans introduced the Officers and Regional Directors of the Florida Region 9/700 Committee. A complete sign in roster is attached for reference.

- Mr. Pallans moderated current Status of the 700 Mhz program and the directions that the FCC have taken in the last year. Extensive discussion was held on the prognosis that may occur in the next 2-3 years.

- Mr. Pallans presented the current Region by-laws and reviewed the contents with the attendees.

- During the discussion on the by-laws, the elections of officers were addressed. The concept was that replacing Officers or regional Directors yearly during the development process was self-defeating in nature.

- Mr. Pallans placed a motion on the floor, seconded by Mr. Holycross, that Article III, Section 3.2 be modified to read that elections would be suspended until the first annual meeting after the FCC approval of a valid Region plan. Floor was opened for discussions. Motion was voted on and passed. The Current Region 9-700 By-Laws

have been modified to reflect the motion and vote. The By-Laws are thus identified as "Amendment 1".

- Mr. Pallans introduced the concept of having a "Technical Committee" within the Region group to assist in the assessment and development of the plan and initial system loading design.

- A floor discussion was held on the possible job duties and the requirements of the technical committee members. A sign in list for those desiring to be on the committee was circulated. The attendees that desire to work on the Tech Committee are attached for reference.

- Mr. Pallans presented a detailed introduction of the Federal CAPRAD program. This included the method and how access was granted, the training needed, and the overall concept of the program's database.

- Funding for training and current activities was discussed as a open topic by the attendees and the Chairman. Notice was presented that any further funding from the DOJ grant system may not be forthcoming. All participants were advised that they would have to bear the burden of individual expenses until new Federal funding is acquired.

- The floor was opened for new business. There was no new business

- Meeting was adjourned at 11:30 AM, to reconvene at 1:00 PM for a hands on detailed demonstration of the CAPRAD system on-line.

Submitted this Date by Ray Carlson, Vice-Chairman

Florida 700 MHz Committee
FCC Region 9
Meeting Announcement

The Florida 700MHz Committee will hold a Region Committee meeting on Friday, May 7, 2004 in Jacksonville, Florida in conjunction with the APCO Florida Chapter meeting. The meeting will take place at 10:00 AM at the Adams Mark Hotel 225 Coast Line Drive East. The room will be indicated in the hotel lobby. The primary agenda items include; current status of 700 MHz licensing, the current status of the Florida Region Plan for 700 MHz, an explanation of CAPRAD, annual business duties of the Regional Committee, and election of Officers. A formal agenda will be provided on the day of the meeting. All committee members, potential major system users, frequency coordinators, equipment vendors and other interested parties are invited to attend this session. For more information contact Ray Carlson, Vice-Chairman, Florida Region 9/700 Committee. 3228 Gun Club Road, West Palm Beach, FL. 33406. (561) 688-3514 E-mail **carlsonr@pbso.org**

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THE FLORIDA REGION 9 COMMITTEE

(700 MHz Planning)

Mr. Jose
Strategic
5680 SW
Miami,
(305)
FAX

May 12, 2004

MINUTES OF THE ANNUAL MEETING MAY 7, 2004

The annual meeting of the Florida Region 9/700 Committee was scheduled for May 7, 2004 at the Adams Mark Hotel, Jacksonville, Florida.

The meeting convened at 10:00 AM with an introduction of the current officers and special guests.

The minutes of the previous meeting were read and adopted by majority vote of the attendees present. A CD was distributed to all attendees that contained all the 700 planning committee documents to date.

The second agenda item was the election of officers. The previous Chairman, Mr. Mark Pallans had resigned on May 6, 2004 and relocated to the west coast. As provided by the by-laws, the Chairman's position was therefore vacant and subject to reelection during the next annual conference.

The floor was opened for nominations. Mr. Ray Carlson, the current Vice-Chairman was the only nomination by Mr. Jose Otero, with a second by Mr. Ben Holycross. The nominations were closed and the attendees elected Mr. Carlson unanimously.

Ms. Pam Montanery, the Committees treasure gave the committees current balance and spending report to the meeting. The treasures report was accepted by

a majority vote of the attendees.

Chairman Carlson opened the floor for discussion of the NEXTEL NPRM.

Florida 700 MHz Committee
FCC Region 9
Meeting Announcement

The Florida 700MHz Committee will hold a Region Committee meeting on Monday, May 16, 2005 in Jacksonville, Florida in conjunction with the APCO Florida Chapter meeting. The meeting will take place at 1:00 PM at the Adams Mark Hotel 225 Coast Line Drive East. The room will be indicated in the hotel lobby. The primary agenda items include; current status of 700 MHz licensing, the current status of the Florida Region Plan for 700 MHz, an explanation of CAPRAD, annual business duties of the Regional Committee, and election of Officers. A formal agenda will be provided on the day of the meeting. All committee members, potential major system users, frequency coordinators, equipment vendors and other interested parties are invited to attend this session. For more information contact Ray Carlson, Chairman, Florida Region 9/700 Committee. 3228 Gun Club Road, West Palm Beach, FL. 33406. (561) 688-3514 E-mail **carlsonr@pbso.org**

GENERAL SUBJECT MATTER TO BE CONSIDERED: The purpose of Conference will be to explore issues related to Medicaid Research in an environment of reform.

Interested parties planning to participate in the Conference are asked to confirm their attendance with Holiday Alig with the University of Florida, Florida Center for Medicaid and the Uninsured.

The contact number is (352)273-5059. e-mail: halig@phhp.ufl.edu.

The **Agency for Health Care Administration** announces a meeting of the Pharmaceutical and Therapeutics Committee to which all interested parties are invited.

DATE AND TIME: Wednesday, April 13, 2005, 10:30 a.m. – 3:00 p.m.

PLACE: Tampa Airport Marriott, Tampa International Airport, Tampa, FL

GENERAL SUBJECT MATTER TO BE CONSIDERED: Recommendations for drugs to be included on the Preferred Drug List are made at this meeting.

Any attendee requiring special accommodation because of a disability or physical impairment should contact the Marriott, (813)879-5151, at least five days prior to the meeting.

Members of the public who wish to testify at this meeting must contact: Julie Davis, (850)487-4441. The number of speakers will be limited and will be accommodated in order of notification to Ms. Davis. Because of unforeseen events that may cause changes, interested parties are encouraged to watch the website at http://www.fdhc.state.fl.us/Medicaid/Prescribed_Drug/index.shtml. Procedures for speakers to follow are also available on the website.

DEPARTMENT OF MANAGEMENT SERVICES

The **State Technology Office** announces a public meeting of the Florida Region 800 MHz Committee Meeting to which all persons are invited.

DATE AND TIME: May 16, 2005, 9:00 a.m.

PLACE: Adams Mark Hotel, 225 Coast Line Drive East, Jacksonville, Florida (Room location will be listed in the lobby.)

GENERAL SUBJECT MATTER TO BE CONSIDERED: To discuss and take action on the Florida Region 800 MHz Committee (FCC Region 9) agenda. The meeting will take place in conjunction with the Florida APCO chapter meeting in Jacksonville. The primary agenda items include: status of licensing, status of MA channels, approval of next plan amendment, update on homeland security issues, status of the 800 MHz relocation plan and update on other items that may arise.

A formal agenda will be provided on the day of the meeting.

For more information contact: Ray Carlson, Chairman, Florida Region 800 MHz Committee, 3228 Gun Club Road, West Palm Beach, Florida 33406, (561)688-3514, e-mail: carlsonr@pbso.org.

If you are hearing or speech impaired, please contact the same office by using the Florida Relay Service, 1(800)955-8771 (TDD).

The **State Technology Office** announces a public meeting of the Florida Region 700 MHz Committee Meeting to which all persons are invited.

DATE AND TIME: May 16, 2005, 1:00 p.m.

PLACE: Adams Mark Hotel, 225 Coast Line Drive, East, Jacksonville, Florida (Room location will be listed in the lobby.)

GENERAL SUBJECT MATTER TO BE CONSIDERED: To discuss and take action on the Florida Region 700 MHz Committee (FCC Region 9) agenda. The meeting will take place in conjunction with the Florida APCO chapter meeting in Jacksonville. The primary agenda items include: status of 700 MHz licensing, status of the Florida Region Plan for 700 MHz, an explanation of CAPRAD, annual business duties of the Regional Committee and election of Officers.

A formal agenda will be provided on the day of the meeting.

All committee members, potential major system users, frequency coordinators, equipment vendors and other interested parties are invited to attend this session.

For more information contact: Ray Carlson, Chairman, Florida Region 700 MHz Committee, 3228 Gun Club Road, West Palm Beach, Florida 33406, (561)688-3514, e-mail: carlsonr@pbso.org. If you are hearing- or speech-impaired, please contact the same office by using the Florida Relay Service, 1(800)955-8771 (TDD).

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

The **Florida Board of Architecture and Interior Design** announces the following meetings, to which all persons are invited to attend.

DATE AND TIME: March 29, 2005, 1:00 p.m.

PLACE: Casa Monica Hotel, 95 Cordova Street, St. Augustine, Florida 32259

GENERAL SUBJECT MATTER TO BE CONSIDERED: Probable Cause Panel Meeting, portions may be closed to the public.

The following cases are open to the public:

Pascale Duwat, Case No. 2003-094635

David Jass, Case No. 2004-043282

Levine, Cadlerin & Associates, Case No. 2004-046406

Randall Marks, Case No. 2003-081766

Jarvis Nelson Osorio, Case No. 2004-045403

Eduardo Rousell, Case No. 2004-009209

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THE FLORIDA REGION COMMITTEE

(821-824/866-869 MHz Planning)

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March 14, 2006

Annual meeting notice:

The Florida Region 9, 800 Mhz Planning Committee will hold it's annual meeting at 9 AM, May 1, 2006 at the below listed location.

The Florida Region 9, 700 Mhz Planning Committee will hold it's annual meeting at 1 PM, May 1, 2006 at the below listed location.

Both meetings will be held in conjunction to the Florida NENA Chapter conference at the Hutchinson Island Marriott Resort Jensen Beach, 555 NE Ocean Blvd., Stewart, FL 34957. Hotel phone 772-225-3700. Meetings are open to all eligibles and interested parties. The formal agenda and room location will be provided on May 1st.

Map Quest Link:

http://www.mapquest.com/maps/map.adp?formtype=address&addtohistory=&address=555%20Ne%20Ocean%20Blvd&city=Stuart&state=FL&zipcode=34996%2d1620&country=US&geodiff=1

Filing freeze notice:

In order to process applications within the Region 9 platform, APCO, and the FCC, and mandated by the FCC rebanding freeze of July 1, 2006; The Region 9 Committee will not accept 800 Mhz applications after April 7, 2006.

Ray Carlson

R.H. Carlson, Chairman

CHAIRMAN - SUBREGION 1
Vacant

CHAIRMAN - SUBREGION 2
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CHAIRMAN - SUBREGION 4
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THE FLORIDA REGION COMMITTEE

(700 MHz Planning)

REGION VICE

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Regional

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June 2, 2006

Minutes of Region 9, 700 Mhz. Planning Committee meeting, May 1, 2006 @ 1 :00 PM

Hutchinson Island Marriott Resort, Jensen Beach, Stewart Florida

- Meeting was called to order at 1:15 PM by the Chairman.
- Introduction of Officers by Ray Carlson, Chairman
- Elections of Officers
- Resignation of Jose Othero,
- Nomination of Jose P by Leven Magruder, seconded by Benn Holycross.
- Discussion of the CAPRAD system. Including the description of CAPRAD and how it works.
- Review of the initial packing plan. Review of valid region Plans that have been accepted and approved by the FCC.
- Discussion of the region 9 plan and a review of the contents.
- Treasures report was submitted. Discussion and vote to accept was performed. Current balance $442.70
- Questions from the floor.
- Meeting adjourned.

Appendix E

700 Mhz Interoperability Channel Nomenclature

700 MHz Interoperability Channels, Labels, and Usage

	12.5 kHz Channel PAIR	Channel Label	Radio Service	Direct
01	Pair 23-24/983-984	7TAC51	General Public Safety Service (secondary trunked)	7TAC51D
02	Pair 39-40/999-1000	7CAL50	Calling Channel	7CAL50D
03	Pair 63-64/1023-1024	7EMS65	EMS	7EMS65D
04	Pair 79-80/1039-1040	7EMS66	EMS	7EMS66D
05	Pair 103-104/1063-1064	7TAC52	General Public Safety Service (secondary trunked)	7TAC52D
06	Pair 119-120/1079-1080	7TAC53	General Public Safety Service	7TAC53D
07	Pair 143-144/1103-1104	7FIR63	Fire	7FIR63D
08	Pair 159-160/1119-1120	7FIR64	Fire	7FIR64D
09	Pair 183-184/1143-1144	7TAC53	General Public Safety Service (secondary trunked)	7TAC53D
10	Pair 199-200/1159-1160	7TAC56	General Public Safety Service	7TAC56D
11	Pair 223-224/1183-1184	7LAW61	Police	7LAW61D
12	Pair 239-240/1199-1200	7LAW62	Police	7LAW62D
13	Pair 263-264/1223-1224	7TAC54	General Public Safety Service (secondary trunked)	7TAC54D
14	Pair 279-280/1239-1240	7DAT69	Mobile Data	7DAT69D
15	Pair 303-304/1263-1264	7MOB59	Mobile Repeater	7MOB59D
16	Pair 319-320/1279-1280	7TAC57	Other Public Service	7TAC57D
17	Pair 641-642/1601-1602	7EMS86	EMS	7EMS86D
18	Pair 657-658/1617-1618	7TAC71	General Public Safety Service (secondary trunked)	7TAC71D
19	Pair 681-682/1641-1642	7CAL70	Calling Channel	7CAL70D
20	Pair 697-698/1657-1658	7EMS87	EMS	7EMS87D
21	Pair 721-722/1681-1682	7FIR83	Fire	7FIR83D
22	Pair 737-738/1697-1698	7TAC72	General Public Safety Service (secondary trunked)	7TAC72D
23	Pair 761-762/1721-1722	7TAC75	General Public Safety Service	7TAC75D
24	Pair 777-778/1737-1738	7FIR84	Fire	7FIR84D
25	Pair 801-802/1761-1762	7LAW81	Police	7LAW81D
26	Pair 817-818/1777-1778	7TAC73	General Public Safety Service (secondary trunked)	7TAC73D
27	Pair 841-842/1801-1802	7TAC76	General Public Safety Service	7TAC76D
28	Pair 857-858/1817-1818	7LAW82	Police	7LAW82D
29	Pair 881-882/1841-1842	7MOB79	Mobile Repeater	7MOB79D
30	Pair 897-898/1857-1858	7TAC74	General Public Safety Service (secondary trunked)	7TAC74D
31	Pair 921-922/1881-1882	7DAT89	Mobile Data	7DAT89D
32	Pair 937-938/1897-1898	7TAC77	Other Public Service	7TAC77D

Project 25 Common Air Interface

Interoperability channel parameters

Certain common P25 parameters need to be defined to ensure digital radios operating on the 700 MHz Interoperability Channels can communicate. This is analogous to defining the common CTCSS tone used on NPSPAC analog Interoperability channels.

Network Access Code

In the Project 25 Common Air Interface definition, the Network Access Code is analogous to the use of CTCSS and CDCSS signals in analog radio systems. It is a code transmitted in the pre-amble of the P25 signal and repeated periodically throughout the transmission. Its purpose is to provide selective access to and maintain access to a receiver. It is also used to block nuisance and other co-channel signals. There are up to 4096 of these NAC codes. For ease of migration in other frequency bands, a NAC code table was developed which shows a mapping of CTCSS and CDCSS signals into corresponding NAC codes. Document TIA/EIA TSB102.BAAC contains NAC code table and other Project 25 Common Air Interface Reserve Values.

Use of corresponding NAC code $293 is required for the 700 MHz Interoperability Channel NAC code.

Talk group ID

In the Project 25 Common Air Interface definition, the Talk group ID on conventional channels is analogous to the use of talk groups in trunking. In order to ensure that all users can communicate, all units should use a common Talk group ID.

Recommendation: Use P25 default value for Talk group ID = $0001

Manufacturer's ID

The Project 25 Common Air Interface allows the ability to define manufacturer specific functions. In order to ensure that all users can communicate, all units should not use a specific Manufacturer's ID, but should use the default value of $00.

Message ID

The Project 25 Common Air Interface allows the ability to define specific message functions. In order to ensure that all users can communicate, all units should use the default Message ID for unencrypted messages of $00000000000000000000000.

Encryption Algorithm ID and Key ID

The Project 25 Common Air Interface allows the ability to define specific encryption algorithms and encryption keys. In order to ensure that all users can communicate, encryption should not be used on the Interoperability Calling Channels, all units should use the default Algorithm ID for unencrypted messages of $80 and default Key ID for unencrypted messages 0000. These same defaults may be used for the other Interoperability channels when encryption is not used.

Use of encryption is allowed on the other Interoperability channels. Regional Planning Committees need to define appropriate Message ID, Encryption Algorithm ID, and Encryption Key ID to be used in the encrypted mode on Interoperability channels.

Appendix F
NCC 700 MHz Pre-Assignment Rules/Recommendations

Introduction

A process for doing the initial block assignments of 700 MHz channels before details of actual system deployment is required. In this initial phase, there is little actual knowledge of what specific equipment is to be deployed and where the sites will be. As a result, a high level simplified method is proposed to establish guidelines for frequency coordination. When actual systems are deployed, additional details will be known and the system designers will be required to select specific sites and supporting hardware to control interference.

Overview

Assignments will be based on a defined service area of each applicant. For Public Safety entities this will normally be a geographically defined area such as city, county or by a data file consisting of line segments creating a polygon that encloses the defined area.

For co-channel assignments, the 40 dBμ contour will be allowed to extend beyond the defined service area by 3 to 5 miles, depending on the type of environment, urban, suburban or low density. The interfering co-channel 5 dBμ will be allowed to touch but not overlap the 40 dBμ contour of the system being evaluated. All contours are (50,50).

For adjacent and alternate channels, the interfering channels 60 dBμ will be allowed to touch but not overlap the 40 dBμ contour of the system being evaluated. All contours are (50,50).

7.4.1.1 Discussion

The FCC limits the maximum field strength to 40 dB relative to 1μV/m (customarily devoted as 40 dBμ). It is assumed that this limitation will be applied similarly to the way it is applied in the 821-824/866/869 MHz band. That is, a 40 dBμ field strength can be deployed up to a defined distance from the edge of the service area, based on the size of the service area or type of applicant, i.e. city, county or statewide system. This is important as the potential for interference from CMRS infrastructure demands that public safety systems have adequate margins for reliability in the presence of interference. The value of 40 dBμ corresponds to a signal of –92.7 dBm, received by a presence of half-wavelength dipole (λ/2) antenna. The thermal noise floor for a 6.25 KHz receiver would be in the range of –126 dBm, so there is a margin of approximately 33 dB available for "noise limited" reliability. Figure 1 shows the various interfering sources and how they accumulate to form a composite noise floor than can be used to determine the "reliability" or probability of achieving the desired performance in the presence of various interfering sources with differing characteristics.

Allowing for a 3 dB reduction in the available margin due to CMRS OOBE noise lowers the reliability and/or the channel performance of Public Safety systems. TIA TR8 made this allowance during the meetings in Mesa, AZ, January 2001.
In addition, there are various channel bandwidths with different performance criteria and unknown adjacent and alternate channel assignments need to be accounted for. The co-channel and adjacent/alternate sources are shown in the right hand side of Figure 1. There would be a single co-channel source, but potentially several adjacent or alternate channel sources involved.

It is recommended that co-channel assignments limit the C/I at the edge (worst case mile) be sufficient to limit that interference to <1%. A C/I ratio of 26.4 dB plus the required capture value required to achieve this goal. A 17-20 dB C/N is required to achieve channel performance. Table 1 shows estimated performance considering the 3 dB noise floor rise at the 40 dBμ signal level. Performance varies due to the different Cf/N requirements of the different modulations and channel bandwidths. These values are appropriate for a mobile on the street, but are considerable short to provide reliable communications to portables inside buildings.

To analyze the impact of requiring portable in building coverage, several scenarios are presented. The different scenarios involve a given separation from the desired sites. Then the impact of simulcast is included to show that the 40 dBμ must be able to fall outside t he edge of the service area. From the analysis, recommendations of how far the 40 dBμ extensions should be allowed to occur are made.

Table 2 Estimates urban coverage where simulcast is required to achieve the desired portable in building coverage. Several assumptions are required to use this estimate.

- Distance from the location to each site. Equal distance is assumed.
- CMRS noise is reduced when entering buildings. This is not a guarantee as the type of deployments is unknown. It is possible that CMRS units may have transmitters inside buildings. This could be potentially a large contributor unless the CMRS OOBE is suppressed to TIA's most recent recommendation and the "site isolation" is maintained at 65 dB minimum.
- The 40 dBμ is allowed to extend beyond the edge of the service area boundary.
- Other configurations may be deployed utilizing additional sites, lower tower heights, lower ERP and shorter site separations.

Figure 2 is for an urbanized area with a jurisdiction of a 5-mile circle. To provide necessary coverage to portables in buildings at the center of the jurisdiction requires that the sites be placed along the edge of the service area utilizing direction antennas oriented toward the center of the service area (Figure 3). In this case, at 5 miles beyond the edge of the service area, the sites would produce composite field strength of approximately 40 dBμ. Since one site is over 10 dB dominant, the contribution from the other site is not considered.

The control of the field strength behind the site relied on a 20 dB antenna with a Front to Back Ration (F/B) specification as shown in Figure 3. This performance may be optimistic due to backscatter off local obstructions in urbanized areas.

However, use of antennas on the sides of buildings can assist in achieving better F/B ratios and the initial planning is not précised enough to prohibit using the full 20 dB.

The use of a single site at the center of the service area is not normally practical. To provide the necessary signal strength at the edge of the service area would produce field strength 5 miles beyond in excess of 44 dBμ.

However, if the high loss buildings were concentrated at the service area's center, then potentially a single site could be deployed, assuming that the buildings loss sufficiently decreases near the edge of the service area allowing a reduction in ERP to achieve the desired reliability.

The down tilting of antennas to control the 40 dBμ is not practical as the difference in angular discrimination from a 200-foot tall tower at 2.5 miles and 10 miles is approximately 0.6 degrees.

Tables 3 and 4 represent the same configuration, but for less dense buildings. In these cases, the distance to extend the 40 dBm can be determined from Table Z. Recommendations are made in Table 6.

Table 5 shows the field strength for a direct path and for a path reduced by a 20dB F/B antenna. This allows the analysis to be simplified for the specific example being discussed.

This allows the overshoot to be 11 miles so the extension of the 40 dBm can be 4 miles for suburbanized territory. For the more rural territory, the limit is the signal strength off the back of the antenna. So the result is that for various types of urbanized areas the offset of the 40 dBm should be:

The 40 dBμ can then be constructed based on the defined service area without having to perform an actual prediction. Since the 40 dBμ is beyond the edge of the service area, some relaxation in the level of I is reasonable. Therefore a 35 dB ration is recommended and is consistent with what is currently being licensed in the 821-824/866-869 MHz Public Safety band.
Co-Channel Recommendation

- Allow the constructed 40 dBμ (50,50) to extend beyond the edge of the defined service area by the distance indicated in Table 6.
- Allow the Interfering 5 dBμ (50,50) to intercept but not overlap the 40 dBμ contour.

Adjacent and alternate Channel Considerations

Adjacent and alternate channels are treated as being noise sources that alter the composite noise floor of a victim receiver. Using the 47 CFR § 90.543 values of ACCP can facilitate the coordination of adjacent and alternate channels. The C/I requirements for <1% interference can be reduced by the value of ACCPR. For example to achieve an X dB C/I for the adjacent channel that is –40 dBc a C/I of [X-40] dB is required. Where the alternate channel ACP value if –60 dBc, then the C/I = [X-60] dB is the goal for assignment(s). There is a compounding of interference energy, as there are numerous sources, i.e. co-channel, adjacent channels and alternate channels plus the noise from CMRS OOBE.

There is insufficient information in 47 CFR § 90.453 to include the actual receiver performance. Receivers typically have "skirts" that allow energy outside the bandwidth of interest to be received. In addition, the FCC defines ACCP differently than does the TIA. The term used by the FCC is the same as the TIA

definition of ACP. The subtle difference is that ACCP defines the energy intercepted by a defined receiver filter. ACP defines the energy in a measured bandwidth that is typically wider than the receiver. As a result, the FCC values are optimistic at very close spacing and somewhat pessimistic at wider spacing, as typical receiver filter is less than the channel bandwidth.

In addition, as a channel bandwidth is increased, the total noise is allowed to rise, as it is initially defined in a 6.25 KHz channel bandwidth. However, the effect is diminished at very close spacing as the noise is rapidly falling off. At greater spacing, the noise is essentially flat and the receiver's filter limits the noise to the specified 3 dB rise in the thermal noise floor.

Digital receivers tend to be less tolerant to interference than analog. Therefore, a 3 dB reduction in the C/(I+N) can reduce a DAQ = 3 to a DAQ = 2 which is threshold to complete receiver muting. Therefore, at least 17 dB plus the margin for keeping the interference below 1% probability requires a total margin of 43.4 dB. However, this margin would be at the edge of the service area and the 40 dBμ is allowed to extend past the edge of the service area.

Frequency drift is controlled by the FCC requirement for 0.4-ppm stability when locked. This equates to approximately a 1 dB standard deviation, which is negligible when associated with the recommended initial lognormal standard deviation of 8 dB and can be ignored.

Project 25 requires that a transceiver receiver have an ACIPR of 60 dB. This implies than an ACCPR$\geq$65 dB will exist for a "companion receiver". A companion receiver is one that is designed for the specific modulation. At this time the highest likelihood is that receivers will be deploying the following receiver bandwidths at the following channel bandwidths.

Based on 47 CFR ¶ 90.543 and the P25 requirement for an ACCPR $\geq$ 65 dB into a 6.0 KHz channel bandwidth and leaving room for a migration from Phase 1 to Phase 2, allows for making the simplifying assumption that 65 dB ACCPR is available for both adjacent 25 KHz block.

Base initial (presorts) on 25 KHz channels. This provides the maximum flexibility by using 65 dB ACCPR for all but one possible combination of 6.25 KHz channels within the 25 KHz allotment.

All cases meet or exceed the FCC requirement. The most troublesome cases occur where the wider bandwidths are working against a Phase 2 narrowband 6.25 KHz channel. If system designers keep this consideration in mind and move the edge 6.25 KHz channels inward on their own systems, then a constant value of 65 dB ACCPR can be applied across all 25 KHz channels regardless of what is eventually deployed.

For other blocks, it must be assumed that transmitter filtering in addition to transmitter performance improvements with greater frequency separation will further reduce the ACCPR.

Therefore it is recommended that a consistent value of 65 dB ACCPR be used for coordinating adjacent 25 KHz channel blocks. Rounding to be conservative due to the possibility of multiple sources allows the "I" contour to be approximately 20 dB above the 40 dBμ contour, 60 dBμ.

An adjacent Interfering (25 KHz) channel shall be allowed to have its 60 dBμ (50,50) contour touch but not overlap the 40 dBμ (50,50) contour of a system being evaluated. Evaluations should be made in both directions.

A simple method is only adequate for presorting large blocks to potential entities. A more detailed analysis should be executed in the actual design phase to take all the issues into consideration.

Additional factors that should be considered include:

- Degree of service area overlap
- Different size of service areas
- Different ERP's and HAAT's
- Actual terrain and land usage
- Differing user reliability requirements
- Migration from Project 25 Phase 1 to Phase 2
- Actual ACCP
- Balanced systems
- Mobiles vs. portables
- Use of voting
- Use of simulcast
- Radio specifications
- Simplex operation
- Future unidentified requirements.

Special attention needs to be paid to the use of simplex operation. In this case, an interferer can be on an offset adjacent channel and in extremely close proximity to the victim receiver. This is especially critical in public safety where simplex operations are frequently used at a fire scene or during police operation. This type of operation is also quite common in the lower frequency bands. In those cases, evaluation of base-to-base as well as mobile-to-mobile interference should be considered and evaluated.

Carrier to Interference Requirements

There are two different ways that interference is considered.

- Co-Channel
- Adjacent and Alternate Channels

Both involve using a C/I ratio. The C/I ratio requires a probability be assigned. For example, a 10% Interference is specified; the C/I implies 90% probability of successfully achieving the desired ratio. A 1% interference means that there is a 99% probability of achieving the desired C/I.

$$\frac{C}{I}\% = \frac{1}{2} \cdot erfc\left\{\frac{C\ \text{margin}}{2\sigma}\right\}$$

This can also be written in a form using the standard deviate unit (Z). In this case the Z for the desired probability of achieving the C/I is entered. For example, for a 90% probability of achieving the necessary C/I, Z=1.28.

$$C\ \% = Z \cdot \sqrt{2} \bullet \sigma$$

The most common requirements for several typical lognormal standard deviations (σ) are included in the following table based on Equation (2).

For co-channel the margin needs to include the "capture" requirement. When this is done, then a 1% probability of co channel interference can be rephrased to mean, there is a 99% probability that the "capture ratio" will be achieved. The capture ratio varies with the type of modulation. Older analog equipment has a capture ratio of approximately 7 dB. Project 25 FDMA is specified at 9 dB. Figure A1 shows the C/I requirement without including the capture requirement.

The 8 dB values for lognormal location standard deviation is reasonable when little information is available. Later when a detailed design is required, additional details and high-resolution terrain and land usage databases will allow a lower value to be used. The TIA recommended value is 5.6 dB. This provides the additional flexibility necessary to complete the design.

To determine the desired probability that both the C/N and C/I will be achieved requires that a joint probability be determined. Figure A2 shows the effects of a family of various levels of C/N reliability and the joint probability (Y-axis) in the presence of various probabilities of Interference.
Note that a 99% reliability with 1% interference (X-axis) that the reduction is nearly the difference. This is because the very high noise reliability is degraded by the interference, as there is little probability that the noise criterion will not be satisfied. At 90%, the 1% interference has a greater likelihood that it will occur simultaneously when the noise criterion not being met, resulting is a less degradation of the 90%.

For adjacent and alternate channels, the channel performance requirement must be added to the C/I ratio. When this is applied, then a 1% probability of adjacent/alternate channel interference can be rephrased to mean, there is a 99% probability that the "channel performance ratio" will be achieved.

PROCESS FOR HANDLING UNIFORMED REGIONS

The Implementation Subcommittee recommends that all Regions use the following pre-planning methodology to facilitate coordination with adjacent Regions.
This procedure will provide a spectrum allotment for adjacent Regions that do not immediately form a Committee.

Counties or other geographic subdivisions within 70 miles of the Regional border need to share spectrum with the adjacent Regions(s). The appropriate ratio of channels shall be allotted to counties in adjacent Regions based upon each county's population. A 25 KHz building block will be used to distribute spectrum between the Regions. A description of the demographics of the affected border areas shall be included.

The requirements for adjacent Region concurrence will require a waiver if the adjacent Region has not yet formed. The Region filing the Plan must use the pre-planning procedure outlined above. The waiver request must be filed concurrently with the Plan and contained in the cover letter.

Appendix G

Region 9 - Florida

Channel Allotments

County						
	Class	Band Width	FCC Channel Number	Base Frequency	Mobile Frequency	
Alachua	General Use	Voice 25KHz	57-60	769.362500	799.362500	
	General Use	Voice 25KHz	129-132	769.812500	799.812500	
	General Use	Voice 25KHz	169-172	770.062500	800.062500	
	General Use	Voice 25KHz	241-244	770.512500	800.512500	
	General Use	Voice 25KHz	297-300	770.862500	800.862500	
	General Use	Voice 25KHz	357-360	771.237500	801.237500	
	General Use	Voice 25KHz	409-412	771.562500	801.562500	
	General Use	Voice 25KHz	449-452	771.812500	801.812500	
	General Use	Voice 25KHz	517-520	772.237500	802.237500	
	General Use	Voice 25KHz	589-592	772.687500	802.687500	
	General Use	Voice 25KHz	629-632	772.937500	802.937500	
	General Use	Voice 25KHz	705-708	773.412500	803.412500	
	General Use	Voice 25KHz	753-756	773.712500	803.712500	
	General Use	Voice 25KHz	829-832	774.187500	804.187500	
	General Use	Voice 25KHz	869-872	774.437500	804.437500	
	General Use	Voice 25KHz	909-912	774.687500	804.687500	
Baker	General Use	Voice 25KHz	337-340	771.112500	801.112500	
	General Use	Voice 25KHz	401-404	771.512500	801.512500	
	General Use	Voice 25KHz	545-548	772.412500	802.412500	
	General Use	Voice 25KHz	585-588	772.662500	802.662500	
	General Use	Voice 25KHz	677-680	773.237500	803.237500	
	General Use	Voice 25KHz	901-904	774.637500	804.637500	
Bay	General Use	Voice 25KHz	41-44	769.262500	799.262500	
	General Use	Voice 25KHz	81-84	769.512500	799.512500	
	General Use	Voice 25KHz	121-124	769.762500	799.762500	

	General Use	Voice 25KHz	165-168	770.037500	800.037500	
	General Use	Voice 25KHz	205-208	770.287500	800.287500	
	General Use	Voice 25KHz	281-284	770.762500	800.762500	
	General Use	Voice 25KHz	321-324	771.012500	801.012500	
	General Use	Voice 25KHz	381-384	771.387500	801.387500	
	General Use	Voice 25KHz	445-448	771.787500	801.787500	
	General Use	Voice 25KHz	509-512	772.187500	802.187500	
	General Use	Voice 25KHz	581-584	772.637500	802.637500	
	General Use	Voice 25KHz	625-628	772.912500	802.912500	
	General Use	Voice 25KHz	665-668	773.162500	803.162500	
	General Use	Voice 25KHz	717-720	773.487500	803.487500	
	General Use	Voice 25KHz	757-760	773.737500	803.737500	
	General Use	Voice 25KHz	797-800	773.987500	803.987500	
	General Use	Voice 25KHz	861-864	774.387500	804.387500	
	General Use	Voice 25KHz	901-904	774.637500	804.637500	
	General Use	Voice 25KHz	941-944	774.887500	804.887500	
Bradford	General Use	Voice 25KHz	421-424	771.637500	801.637500	
	General Use	Voice 25KHz	469-472	771.937500	801.937500	
	General Use	Voice 25KHz	561-564	772.512500	802.512500	
	General Use	Voice 25KHz	601-604	772.762500	802.762500	
	General Use	Voice 25KHz	669-672	773.187500	803.187500	
Brevard	General Use	Voice 25KHz	45-48	769.287500	799.287500	
	General Use	Voice 25KHz	93-96	769.587500	799.587500	
	General Use	Voice 25KHz	205-208	770.287500	800.287500	
	General Use	Voice 25KHz	285-288	770.787500	800.787500	
	General Use	Voice 25KHz	333-336	771.087500	801.087500	
	General Use	Voice 25KHz	381-384	771.387500	801.387500	
	General Use	Voice 25KHz	461-464	771.887500	801.887500	
	General Use	Voice 25KHz	485-488	772.037500	802.037500	
	General Use	Voice 25KHz	557-560	772.487500	802.487500	
	General Use	Voice 25KHz	605-608	772.787500	802.787500	
	General Use	Voice 25KHz	665-668	773.162500	803.162500	
	General Use	Voice 25KHz	741-744	773.637500	803.637500	
	General Use	Voice 25KHz	797-800	773.987500	803.987500	

	General Use	Voice 25KHz	837-840	774.237500	804.237500	
	General Use	Voice 25KHz	877-880	774.487500	804.487500	
Broward	General Use	Voice 25KHz	41-44	769.262500	799.262500	
	General Use	Voice 25KHz	89-92	769.562500	799.562500	
	General Use	Voice 25KHz	129-132	769.812500	799.812500	
	General Use	Voice 25KHz	169-172	770.062500	800.062500	
	General Use	Voice 25KHz	241-244	770.512500	800.512500	
	General Use	Voice 25KHz	289-292	770.812500	800.812500	
	General Use	Voice 25KHz	329-332	771.062500	801.062500	
	General Use	Voice 25KHz	369-372	771.312500	801.312500	
	General Use	Voice 25KHz	409-412	771.562500	801.562500	
	General Use	Voice 25KHz	457-460	771.862500	801.862500	
	General Use	Voice 25KHz	493-496	772.087500	802.087500	
	General Use	Voice 25KHz	533-536	772.337500	802.337500	
	General Use	Voice 25KHz	573-576	772.587500	802.587500	
	General Use	Voice 25KHz	617-620	772.862500	802.862500	
	General Use	Voice 25KHz	661-664	773.137500	803.137500	
	General Use	Voice 25KHz	709-712	773.437500	803.437500	
	General Use	Voice 25KHz	757-760	773.737500	803.737500	
	General Use	Voice 25KHz	821-824	774.137500	804.137500	
	General Use	Voice 25KHz	861-864	774.387500	804.387500	
	General Use	Voice 25KHz	901-904	774.637500	804.637500	
	General Use	Voice 25KHz	945-948	774.912500	804.912500	
Calhoun	General Use	Voice 25KHz	357-360	771.237500	801.237500	
	General Use	Voice 25KHz	497-500	772.112500	802.112500	
	General Use	Voice 25KHz	545-548	772.412500	802.412500	
	General Use	Voice 25KHz	593-596	772.712500	802.712500	
	General Use	Voice 25KHz	709-712	773.437500	803.437500	
	General Use	Voice 25KHz	909-912	774.687500	804.687500	
Charlotte	General Use	Voice 25KHz	97-100	769.612500	799.612500	
	General Use	Voice 25KHz	137-140	769.862500	799.862500	
	General Use	Voice 25KHz	177-180	770.112500	800.112500	
	General Use	Voice 25KHz	241-244	770.512500	800.512500	
	General Use	Voice 25KHz	285-288	770.787500	800.787500	

	General Use	Voice 25KHz	333-336	771.087500	801.087500	
	General Use	Voice 25KHz	385-388	771.412500	801.412500	
	General Use	Voice 25KHz	433-436	771.712500	801.712500	
	General Use	Voice 25KHz	525-528	772.287500	802.287500	
	General Use	Voice 25KHz	565-568	772.537500	802.537500	
	General Use	Voice 25KHz	609-612	772.812500	802.812500	
	General Use	Voice 25KHz	661-664	773.137500	803.137500	
	General Use	Voice 25KHz	701-704	773.387500	803.387500	
	General Use	Voice 25KHz	793-796	773.962500	803.962500	
	General Use	Voice 25KHz	837-840	774.237500	804.237500	
	General Use	Voice 25KHz	877-880	774.487500	804.487500	
Citrus	General Use	Voice 25KHz	125-128	770.787500	804.787500	
	General Use	Voice 25KHz	177-180	770.112500	800.112500	
	General Use	Voice 25KHz	249-252	770.562500	800.562500	
	General Use	Voice 25KHz	325-328	771.037500	801.037500	
	General Use	Voice 25KHz	393-396	771.462500	801.462500	
	General Use	Voice 25KHz	433-436	771.712500	801.712500	
	General Use	Voice 25KHz	489-492	772.062500	802.062500	
	General Use	Voice 25KHz	529-532	772.312500	802.312500	
	General Use	Voice 25KHz	605-608	772.787500	802.787500	
	General Use	Voice 25KHz	793-796	773.962500	803.962500	
	General Use	Voice 25KHz	833-836	774.212500	804.212500	
	General Use	Voice 25KHz	913-916	774.712500	804.712500	
Clay	General Use	Voice 25KHz	13-16	769.087500	799.087500	
	General Use	Voice 25KHz	97-100	769.612500	799.612500	
	General Use	Voice 25KHz	205-208	770.287500	800.287500	
	General Use	Voice 25KHz	281-284	770.762500	800.762500	
	General Use	Voice 25KHz	365-368	771.287500	801.287500	
	General Use	Voice 25KHz	429-432	771.687500	801.687500	
	General Use	Voice 25KHz	493-496	772.087500	802.087500	
	General Use	Voice 25KHz	533-536	772.337500	802.337500	
	General Use	Voice 25KHz	609-612	772.812500	802.812500	
	General Use	Voice 25KHz	661-664	773.137500	803.137500	
	General Use	Voice 25KHz	745-748	773.662500	803.662500	

	General Use	Voice 25KHz	789-792	773.937500	803.937500	
	General Use	Voice 25KHz	945-948	774.912500	804.912500	
Collier	General Use	Voice 25KHz	49-52	769.312500	799.312500	
	General Use	Voice 25KHz	201-204	770.262500	800.262500	
	General Use	Voice 25KHz	249-252	770.562500	800.562500	
	General Use	Voice 25KHz	349-352	771.187500	801.187500	
	General Use	Voice 25KHz	389-392	771.437500	801.437500	
	General Use	Voice 25KHz	465-468	771.912500	801.912500	
	General Use	Voice 25KHz	501-504	772.137500	802.137500	
	General Use	Voice 25KHz	553-556	772.462500	802.462500	
	General Use	Voice 25KHz	593-596	772.712500	802.712500	
	General Use	Voice 25KHz	637-640	772.987500	802.987500	
	General Use	Voice 25KHz	677-680	773.237500	803.237500	
	General Use	Voice 25KHz	741-744	773.637500	803.637500	
	General Use	Voice 25KHz	797-800	773.987500	803.987500	
Columbia	General Use	Voice 25KHz	41-44	769.262500	799.262500	
	General Use	Voice 25KHz	121-124	769.762500	799.762500	
	General Use	Voice 25KHz	209-212	770.312500	800.312500	
	General Use	Voice 25KHz	249-252	770.562500	800.562500	
	General Use	Voice 25KHz	321-324	771.012500	801.012500	
	General Use	Voice 25KHz	369-372	771.312500	801.312500	
	General Use	Voice 25KHz	441-444	771.762500	801.762500	
	General Use	Voice 25KHz	505-508	772.162500	802.162500	
	General Use	Voice 25KHz	553-556	772.462500	802.462500	
	General Use	Voice 25KHz	617-620	772.862500	802.862500	
	General Use	Voice 25KHz	717-720	773.487500	803.487500	
	General Use	Voice 25KHz	821-824	774.137500	804.137500	
Dade	General Use	Voice 25KHz	13-16	769.087500	799.087500	
	General Use	Voice 25KHz	57-60	769.362500	799.362500	
	General Use	Voice 25KHz	97-100	769.612500	799.612500	
	General Use	Voice 25KHz	137-140	769.862500	799.862500	
	General Use	Voice 25KHz	177-180	770.112500	800.112500	
	General Use	Voice 25KHz	217-220	770.362500	800.362500	
	General Use	Voice 25KHz	257-260	770.612500	800.612500	

	General Use	Voice 25KHz	297-300	770.862500	800.862500	
	General Use	Voice 25KHz	337-340	771.112500	801.112500	
	General Use	Voice 25KHz	377-380	771.362500	801.362500	
	General Use	Voice 25KHz	437-440	771.737500	801.737500	
	General Use	Voice 25KHz	477-480	771.987500	801.987500	
	General Use	Voice 25KHz	481-484	772.012500	802.012500	
	General Use	Voice 25KHz	521-524	772.262500	802.262500	
	General Use	Voice 25KHz	561-564	772.512500	802.512500	
	General Use	Voice 25KHz	601-604	772.762500	802.762500	
	General Use	Voice 25KHz	669-672	773.187500	803.187500	
	General Use	Voice 25KHz	717-720	773.487500	803.487500	
	General Use	Voice 25KHz	785-788	773.912500	803.912500	
	General Use	Voice 25KHz	829-832	774.187500	804.187500	
	General Use	Voice 25KHz	873-876	774.462500	804.462500	
	General Use	Voice 25KHz	913-916	774.712500	804.712500	
De Soto	General Use	Voice 25KHz	161-164	770.012500	800.012500	
	General Use	Voice 25KHz	453-456	771.837500	801.837500	
	General Use	Voice 25KHz	497-500	772.112500	802.112500	
	General Use	Voice 25KHz	549-552	772.437500	802.437500	
	General Use	Voice 25KHz	601-604	772.762500	802.762500	
	General Use	Voice 25KHz	753-756	773.712500	803.712500	
Dixie	General Use	Voice 25KHz	253-256	770.587500	800.587500	
	General Use	Voice 25KHz	293-296	771.837500	800.837500	
	General Use	Voice 25KHz	353-356	771.212500	801.212500	
	General Use	Voice 25KHz	437-440	771.737500	801.737500	
	General Use	Voice 25KHz	557-560	772.487500	802.487500	
	General Use	Voice 25KHz	609-612	772.812500	802.812500	
	General Use	Voice 25KHz	701-704	773.387500	803.387500	
	General Use	Voice 25KHz	785-788	773.912500	803.912500	
	General Use	Voice 25KHz	825-828	774.162500	804.162500	
Duval	General Use	Voice 25KHz	45-48	769.287500	799.287500	
	General Use	Voice 25KHz	85-88	769.537500	799.537500	
	General Use	Voice 25KHz	125-128	769.787500	799.787500	
	General Use	Voice 25KHz	173-176	770.087500	800.087500	

	General Use	Voice 25KHz	213-216	770.337500	800.337500	
	General Use	Voice 25KHz	289-292	770.812500	800.812500	
	General Use	Voice 25KHz	329-332	771.062500	801.062500	
	General Use	Voice 25KHz	373-376	771.337500	801.337500	
	General Use	Voice 25KHz	437-440	771.737500	801.737500	
	General Use	Voice 25KHz	477-480	771.987500	801.987500	
	General Use	Voice 25KHz	481-484	772.012500	802.012500	
	General Use	Voice 25KHz	521-524	772.262500	802.262500	
	General Use	Voice 25KHz	593-596	772.712500	802.712500	
	General Use	Voice 25KHz	633-636	772.962500	802.962500	
	General Use	Voice 25KHz	701-704	773.387500	803.387500	
	General Use	Voice 25KHz	757-760	773.737500	803.737500	
	General Use	Voice 25KHz	797-800	773.987500	803.987500	
	General Use	Voice 25KHz	837-840	774.237500	804.237500	
	General Use	Voice 25KHz	877-880	774.487500	804.487500	
	General Use	Voice 25KHz	917-920	774.737500	804.737500	
Escambia	General Use	Voice 25KHz	45-48	769.287500	799.287500	
	General Use	Voice 25KHz	85-88	769.537500	799.537500	
	General Use	Voice 25KHz	125-128	769.787500	799.787500	
	General Use	Voice 25KHz	165-168	770.037500	800.037500	
	General Use	Voice 25KHz	209-212	770.312500	800.312500	
	General Use	Voice 25KHz	249-252	770.562500	800.562500	
	General Use	Voice 25KHz	289-292	770.812500	800.812500	
	General Use	Voice 25KHz	329-332	771.062500	801.062500	
	General Use	Voice 25KHz	369-372	771.312500	801.312500	
	General Use	Voice 25KHz	413-416	771.587500	801.587500	
	General Use	Voice 25KHz	457-460	771.862500	801.862500	
	General Use	Voice 25KHz	489-492	772.062500	802.062500	
	General Use	Voice 25KHz	537-540	772.362500	802.362500	
	General Use	Voice 25KHz	577-580	772.612500	802.612500	
	General Use	Voice 25KHz	629-632	772.937500	802.937500	
	General Use	Voice 25KHz	677-680	773.237500	803.237500	
	General Use	Voice 25KHz	745-748	773.662500	803.662500	
	General Use	Voice 25KHz	789-792	773.937500	803.937500	

	General Use	Voice 25KHz	829-832	774.187500	804.187500	
	General Use	Voice 25KHz	901-904	774.637500	804.637500	
	General Use	Voice 25KHz	941-944	774.887500	804.887500	
Flagler	General Use	Voice 25KHz	285-288	770.787500	800.787500	
	General Use	Voice 25KHz	333-336	771.087500	801.087500	
	General Use	Voice 25KHz	389-392	771.437500	801.437500	
	General Use	Voice 25KHz	441-444	771.762500	801.762500	
	General Use	Voice 25KHz	485-488	772.037500	802.037500	
	General Use	Voice 25KHz	557-560	772.487500	802.487500	
	General Use	Voice 25KHz	605-608	772.787500	802.787500	
	General Use	Voice 25KHz	665-668	773.162500	803.162500	
	General Use	Voice 25KHz	793-796	773.962500	803.962500	
	General Use	Voice 25KHz	833-836	774.212500	804.212500	
	General Use	Voice 25KHz	873-876	774.462500	804.462500	
Franklin	General Use	Voice 25KHz	129-132	769.812500	799.812500	
	General Use	Voice 25KHz	241-244	770.512500	800.512500	
	General Use	Voice 25KHz	293-296	770.837500	800.837500	
	General Use	Voice 25KHz	361-364	771.262500	801.262500	
	General Use	Voice 25KHz	421-424	771.637500	801.637500	
	General Use	Voice 25KHz	473-476	771.962500	801.962500	
	General Use	Voice 25KHz	501-504	772.137500	802.137500	
	General Use	Voice 25KHz	557-560	772.487500	802.487500	
	General Use	Voice 25KHz	633-636	772.962500	802.962500	
	General Use	Voice 25KHz	705-708	773.412500	803.412500	
	General Use	Voice 25KHz	749-752	773.687500	803.687500	
	General Use	Voice 25KHz	789-792	773.937500	803.937500	
	General Use	Voice 25KHz	913-916	774.712500	804.712500	
Gadsden	General Use	Voice 25KHz	13-16	769.087500	799.087500	
	General Use	Voice 25KHz	161-164	770.012500	800.012500	
	General Use	Voice 25KHz	213-216	770.337500	800.337500	
	General Use	Voice 25KHz	325-328	771.037500	801.037500	
	General Use	Voice 25KHz	405-408	771.537500	801.537500	
	General Use	Voice 25KHz	457-460	771.862500	801.862500	
	General Use	Voice 25KHz	505-508	772.162500	802.162500	

	General Use	Voice 25KHz	553-556	772.462500	802.462500	
	General Use	Voice 25KHz	629-632	772.937500	802.937500	
	General Use	Voice 25KHz	669-672	773.187500	803.187500	
	General Use	Voice 25KHz	785-788	773.912500	803.912500	
	General Use	Voice 25KHz	877-880	774.487500	804.487500	
Gilchrist	General Use	Voice 25KHz	93-96	763.587500	793.587500	
	General Use	Voice 25KHz	285-288	770.787500	800.787500	
	General Use	Voice 25KHz	377-380	771.362500	801.362500	
	General Use	Voice 25KHz	417-420	771.612500	801.612500	
	General Use	Voice 25KHz	461-464	771.887500	801.887500	
	General Use	Voice 25KHz	485-488	772.037500	802.037500	
	General Use	Voice 25KHz	797-800	773.987500	803.987500	
	General Use	Voice 25KHz	917-920	774.737500	804.737500	
Glades	General Use	Voice 25KHz	353-356	771.212500	801.212500	
	General Use	Voice 25KHz	421-424	771.637500	801.637500	
	General Use	Voice 25KHz	461-464	771.887500	801.887500	
	General Use	Voice 25KHz	505-508	772.162500	802.162500	
	General Use	Voice 25KHz	717-720	773.487500	803.487500	
Gulf	General Use	Voice 25KHz	17-20	769.112500	799.112500	
	General Use	Voice 25KHz	57-60	769.362500	799.362500	
	General Use	Voice 25KHz	217-220	770.362500	800.362500	
	General Use	Voice 25KHz	257-260	770.612500	800.612500	
	General Use	Voice 25KHz	329-332	771.062500	801.062500	
	General Use	Voice 25KHz	369-372	771.312500	801.312500	
	General Use	Voice 25KHz	413-416	771.587500	801.587500	
	General Use	Voice 25KHz	461-464	771.887500	801.887500	
	General Use	Voice 25KHz	525-528	772.287500	802.287500	
	General Use	Voice 25KHz	565-568	772.537500	802.537500	
	General Use	Voice 25KHz	617-620	772.862500	802.862500	
	General Use	Voice 25KHz	673-676	773.212500	803.212500	
	General Use	Voice 25KHz	781-784	773.887500	803.887500	
	General Use	Voice 25KHz	833-836	774.212500	804.212500	
	General Use	Voice 25KHz	873-876	774.462500	804.462500	
Hamilton	General Use	Voice 25KHz	217-220	770.362500	800.362500	

	General Use	Voice 25KHz	257-260	770.612500	800.612500	
	General Use	Voice 25KHz	405-408	771.537500	801.537500	
	General Use	Voice 25KHz	541-544	772.387500	802.387500	
	General Use	Voice 25KHz	581-584	772.637500	802.637500	
	General Use	Voice 25KHz	865-868	774.412500	804.412500	
Hardee	General Use	Voice 25KHz	281-284	770.762500	800.762500	
	General Use	Voice 25KHz	349-352	771.187500	801.187500	
	General Use	Voice 25KHz	393-396	771.462500	801.462500	
	General Use	Voice 25KHz	445-448	771.787500	801.787500	
	General Use	Voice 25KHz	489-492	772.062500	802.062500	
	General Use	Voice 25KHz	529-532	772.312500	802.312500	
Hendry	General Use	Voice 25KHz	321-324	771.012500	801.012500	
	General Use	Voice 25KHz	361-364	771.262500	801.262500	
	General Use	Voice 25KHz	401-404	771.512500	801.512500	
	General Use	Voice 25KHz	441-444	771.762500	801.762500	
	General Use	Voice 25KHz	545-548	772.412500	802.412500	
	General Use	Voice 25KHz	585-588	772.662500	802.662500	
	General Use	Voice 25KHz	625-628	772.912500	802.912500	
Hernando	General Use	Voice 25KHz	93-96	769.587500	799.587500	
	General Use	Voice 25KHz	133-136	769.837500	799.837500	
	General Use	Voice 25KHz	293-296	770.837500	800.837500	
	General Use	Voice 25KHz	353-356	771.212500	801.212500	
	General Use	Voice 25KHz	405-408	771.537500	801.537500	
	General Use	Voice 25KHz	461-464	771.887500	801.887500	
	General Use	Voice 25KHz	505-508	772.162500	802.162500	
	General Use	Voice 25KHz	569-572	772.562500	802.562500	
	General Use	Voice 25KHz	613-616	772.837500	802.837500	
	General Use	Voice 25KHz	753-756	773.712500	803.712500	
	General Use	Voice 25KHz	825-828	774.162500	804.162500	
	General Use	Voice 25KHz	869-872	774.437500	804.437500	
Highlands	General Use	Voice 25KHz	57-60	769.362500	799.362500	
	General Use	Voice 25KHz	217-220	770.362500	800.362500	
	General Use	Voice 25KHz	325-328	771.037500	801.037500	
	General Use	Voice 25KHz	365-368	771.287500	801.287500	

	General Use	Voice 25KHz	409-412	771.562500	801.562500	
	General Use	Voice 25KHz	469-472	771.937500	801.937500	
	General Use	Voice 25KHz	481-484	772.012500	802.012500	
	General Use	Voice 25KHz	541-544	772.387500	802.387500	
	General Use	Voice 25KHz	581-584	772.637500	802.637500	
	General Use	Voice 25KHz	621-624	772.887500	802.887500	
	General Use	Voice 25KHz	745-748	773.662500	803.662500	
	General Use	Voice 25KHz	829-832	774.187500	804.187500	
	General Use	Voice 25KHz	909-912	774.687500	804.687500	
Hillsborough	General Use	Voice 25KHz	45-48	769.287500	799.287500	
	General Use	Voice 25KHz	89-92	769.562500	799.562500	
	General Use	Voice 25KHz	129-132	769.812500	799.812500	
	General Use	Voice 25KHz	173-176	770.087500	800.087500	
	General Use	Voice 25KHz	213-216	770.337500	800.337500	
	General Use	Voice 25KHz	253-256	770.587500	800.587500	
	General Use	Voice 25KHz	321-324	771.012500	801.012500	
	General Use	Voice 25KHz	369-372	771.312500	801.312500	
	General Use	Voice 25KHz	437-440	771.737500	801.737500	
	General Use	Voice 25KHz	477-480	771.987500	801.987500	
	General Use	Voice 25KHz	501-504	772.137500	802.137500	
	General Use	Voice 25KHz	557-560	772.487500	802.487500	
	General Use	Voice 25KHz	625-628	772.912500	802.912500	
	General Use	Voice 25KHz	677-680	773.237500	803.237500	
	General Use	Voice 25KHz	717-720	773.487500	803.487500	
	General Use	Voice 25KHz	757-760	773.737500	803.737500	
	General Use	Voice 25KHz	797-800	773.987500	803.987500	
	General Use	Voice 25KHz	861-864	774.387500	804.387500	
	General Use	Voice 25KHz	901-904	774.637500	804.637500	
	General Use	Voice 25KHz	941-944	774.887500	804.887500	
Holmes	General Use	Voice 25KHz	13-16	769.087500	799.087500	
	General Use	Voice 25KHz	161-164	770.012500	800.012500	
	General Use	Voice 25KHz	377-380	771.362500	801.362500	
	General Use	Voice 25KHz	505-508	772.162500	802.162500	
	General Use	Voice 25KHz	553-556	772.462500	802.462500	

	General Use	Voice 25KHz	597-600	772.737500	802.737500	
	General Use	Voice 25KHz	661-664	773.137500	803.137500	
Indian River	General Use	Voice 25KHz	133-136	769.837500	799.837500	
	General Use	Voice 25KHz	177-180	770.112500	800.112500	
	General Use	Voice 25KHz	249-252	770.562500	800.562500	
	General Use	Voice 25KHz	321-324	771.012500	801.012500	
	General Use	Voice 25KHz	361-364	771.262500	801.262500	
	General Use	Voice 25KHz	405-408	771.537500	801.537500	
	General Use	Voice 25KHz	449-452	771.812500	801.812500	
	General Use	Voice 25KHz	501-504	772.137500	802.137500	
	General Use	Voice 25KHz	585-588	772.662500	802.662500	
	General Use	Voice 25KHz	625-628	772.912500	802.912500	
	General Use	Voice 25KHz	785-788	773.912500	803.912500	
	General Use	Voice 25KHz	825-828	774.162500	804.162500	
	General Use	Voice 25KHz	913-916	774.712500	804.712500	
Jackson	General Use	Voice 25KHz	49-52	769.312500	799.312500	
	General Use	Voice 25KHz	137-140	769.862500	799.862500	
	General Use	Voice 25KHz	253-256	770.587500	800.587500	
	General Use	Voice 25KHz	365-368	771.287500	801.287500	
	General Use	Voice 25KHz	429-432	771.687500	801.687500	
	General Use	Voice 25KHz	469-472	771.937500	801.937500	
	General Use	Voice 25KHz	481-484	772.012500	802.012500	
	General Use	Voice 25KHz	529-532	772.312500	802.312500	
	General Use	Voice 25KHz	605-608	772.787500	802.787500	
	General Use	Voice 25KHz	701-704	773.387500	803.387500	
	General Use	Voice 25KHz	745-748	773.662500	803.662500	
	General Use	Voice 25KHz	821-824	774.137500	804.137500	
	General Use	Voice 25KHz	869-872	774.437500	804.437500	
	General Use	Voice 25KHz	917-920	774.737500	804.737500	
Jefferson	General Use	Voice 25KHz	321-324	771.012500	801.012500	
	General Use	Voice 25KHz	385-388	771.412500	801.412500	
	General Use	Voice 25KHz	469-472	771.937500	801.937500	
	General Use	Voice 25KHz	517-520	772.237500	802.237500	
	General Use	Voice 25KHz	565-568	772.537500	802.537500	

	General Use	Voice 25KHz	621-624	772.887500	802.887500	
Lafayette	General Use	Voice 25KHz	53-56	769.337500	799.337500	
	General Use	Voice 25KHz	173-176	770.087500	800.087500	
	General Use	Voice 25KHz	429-432	771.687500	801.687500	
	General Use	Voice 25KHz	521-524	772.262500	802.262500	
	General Use	Voice 25KHz	569-572	772.562500	802.562500	
	General Use	Voice 25KHz	625-628	772.912500	802.912500	
Lake	General Use	Voice 25KHz	41-44	769.262500	799.262500	
	General Use	Voice 25KHz	209-212	770.312500	800.312500	
	General Use	Voice 25KHz	281-284	770.762500	800.762500	
	General Use	Voice 25KHz	329-332	771.062500	801.062500	
	General Use	Voice 25KHz	445-448	771.787500	801.787500	
	General Use	Voice 25KHz	481-484	772.012500	802.012500	
	General Use	Voice 25KHz	553-556	772.462500	802.462500	
	General Use	Voice 25KHz	601-604	772.762500	802.762500	
Lee	General Use	Voice 25KHz	41-44	769.262500	799.262500	
	General Use	Voice 25KHz	89-92	769.562500	799.562500	
	General Use	Voice 25KHz	165-168	770.037500	800.037500	
	General Use	Voice 25KHz	213-216	770.337500	800.337500	
	General Use	Voice 25KHz	257-260	770.612500	800.612500	
	General Use	Voice 25KHz	297-300	770.862500	800.862500	
	General Use	Voice 25KHz	341-344	771.137500	801.137500	
	General Use	Voice 25KHz	413-416	771.587500	801.587500	
	General Use	Voice 25KHz	477-480	771.987500	801.987500	
	General Use	Voice 25KHz	493-496	772.087500	802.087500	
	General Use	Voice 25KHz	533-536	772.337500	802.337500	
	General Use	Voice 25KHz	573-576	772.587500	802.587500	
	General Use	Voice 25KHz	617-620	772.862500	802.862500	
	General Use	Voice 25KHz	669-672	773.187500	803.187500	
	General Use	Voice 25KHz	709-712	773.437500	803.437500	
	General Use	Voice 25KHz	749-752	773.687500	803.687500	
	General Use	Voice 25KHz	821-824	774.137500	804.137500	
	General Use	Voice 25KHz	865-868	774.412500	804.412500	
	General Use	Voice 25KHz	905-908	774.662500	804.662500	

	General Use	Voice 25KHz	945-948	774.912500	804.912500	
Leon	General Use	Voice 25KHz	41-44	769.262500	799.262500	
	General Use	Voice 25KHz	81-84	769.512500	799.512500	
	General Use	Voice 25KHz	133-136	769.837500	799.837500	
	General Use	Voice 25KHz	201-204	770.262500	800.262500	
	General Use	Voice 25KHz	249-252	770.562500	800.562500	
	General Use	Voice 25KHz	297-300	770.862500	800.862500	
	General Use	Voice 25KHz	337-340	771.112500	801.112500	
	General Use	Voice 25KHz	377-380	771.362500	801.362500	
	General Use	Voice 25KHz	417-420	771.612500	801.612500	
	General Use	Voice 25KHz	477-480	771.987500	801.987500	
	General Use	Voice 25KHz	485-488	772.037500	802.037500	
	General Use	Voice 25KHz	533-536	772.337500	802.337500	
	General Use	Voice 25KHz	573-576	772.587500	802.587500	
	General Use	Voice 25KHz	637-640	772.987500	802.987500	
	General Use	Voice 25KHz	677-680	773.237500	803.237500	
	General Use	Voice 25KHz	717-720	773.487500	803.487500	
	General Use	Voice 25KHz	757-760	773.737500	803.737500	
	General Use	Voice 25KHz	797-800	773.987500	803.987500	
	General Use	Voice 25KHz	865-868	774.412500	804.412500	
	General Use	Voice 25KHz	905-908	774.662500	804.662500	
	General Use	Voice 25KHz	945-948	774.912500	804.912500	
Levy	General Use	Voice 25KHz	45-48	769.287500	799.287500	
	General Use	Voice 25KHz	213-216	770.337500	800.337500	
	General Use	Voice 25KHz	333-336	771.087500	801.087500	
	General Use	Voice 25KHz	401-404	771.512500	801.512500	
	General Use	Voice 25KHz	477-480	771.987500	801.987500	
	General Use	Voice 25KHz	497-500	772.112500	802.112500	
	General Use	Voice 25KHz	537-540	772.362500	802.362500	
	General Use	Voice 25KHz	597-600	772.737500	802.737500	
	General Use	Voice 25KHz	665-668	773.162500	803.162500	
	General Use	Voice 25KHz	877-880	774.487500	804.487500	
Liberty	General Use	Voice 25KHz	89-92	769.562500	799.562500	
	General Use	Voice 25KHz	169-172	770.062500	800.062500	

	General Use	Voice 25KHz	397-400	771.487500	801.487500	
	General Use	Voice 25KHz	513-516	772.212500	802.212500	
	General Use	Voice 25KHz	585-588	772.662500	802.662500	
Madison	General Use	Voice 25KHz	289-292	770.812500	800.812500	
	General Use	Voice 25KHz	333-336	771.087500	801.087500	
	General Use	Voice 25KHz	421-424	771.637500	801.637500	
	General Use	Voice 25KHz	481-484	772.012500	802.012500	
	General Use	Voice 25KHz	613-616	772.837500	802.837500	
	General Use	Voice 25KHz	781-784	773.887500	803.887500	
	General Use	Voice 25KHz	873-876	774.462500	804.462500	
	General Use	Voice 25KHz	913-916	774.712500	804.712500	
Manatee	General Use	Voice 25KHz	53-56	769.337500	799.337500	
	General Use	Voice 25KHz	329-332	771.062500	801.062500	
	General Use	Voice 25KHz	381-384	771.387500	801.387500	
	General Use	Voice 25KHz	425-428	771.662500	801.662500	
	General Use	Voice 25KHz	465-468	771.912500	801.912500	
	General Use	Voice 25KHz	509-512	772.187500	802.187500	
	General Use	Voice 25KHz	593-596	772.712500	802.712500	
	General Use	Voice 25KHz	637-640	772.987500	802.987500	
	General Use	Voice 25KHz	741-744	773.637500	803.637500	
Marion	General Use	Voice 25KHz	17-20	769.112500	799.112500	
	General Use	Voice 25KHz	81-84	769.512500	799.512500	
	General Use	Voice 25KHz	161-164	770.012500	800.012500	
	General Use	Voice 25KHz	201-204	770.262500	800.262500	
	General Use	Voice 25KHz	289-292	770.812500	800.812500	
	General Use	Voice 25KHz	341-344	771.137500	801.137500	
	General Use	Voice 25KHz	381-384	771.387500	801.387500	
	General Use	Voice 25KHz	425-428	771.662500	801.662500	
	General Use	Voice 25KHz	465-468	771.912500	801.912500	
	General Use	Voice 25KHz	509-512	772.187500	802.187500	
	General Use	Voice 25KHz	565-568	772.537500	802.537500	
	General Use	Voice 25KHz	637-640	772.987500	802.987500	
	General Use	Voice 25KHz	677-680	773.237500	803.237500	
	General Use	Voice 25KHz	741-744	773.637500	803.637500	

	General Use	Voice 25KHz	781-784	773.887500	803.887500	
	General Use	Voice 25KHz	861-864	774.387500	804.387500	
	General Use	Voice 25KHz	901-904	774.637500	804.637500	
	General Use	Voice 25KHz	941-944	774.887500	804.887500	
Martin	General Use	Voice 25KHz	45-48	769.287500	799.287500	
	General Use	Voice 25KHz	89-92	769.562500	799.562500	
	General Use	Voice 25KHz	137-140	769.862500	799.862500	
	General Use	Voice 25KHz	201-204	770.262500	800.262500	
	General Use	Voice 25KHz	245-248	770.537500	800.537500	
	General Use	Voice 25KHz	289-292	770.812500	800.812500	
	General Use	Voice 25KHz	333-336	771.087500	801.087500	
	General Use	Voice 25KHz	413-416	771.587500	801.587500	
	General Use	Voice 25KHz	453-456	771.837500	801.837500	
	General Use	Voice 25KHz	517-520	772.237500	802.237500	
	General Use	Voice 25KHz	557-560	772.487500	802.487500	
	General Use	Voice 25KHz	633-636	772.962500	802.962500	
	General Use	Voice 25KHz	741-744	773.637500	803.637500	
	General Use	Voice 25KHz	781-784	773.887500	803.887500	
	General Use	Voice 25KHz	821-824	774.137500	804.137500	
Monroe	General Use	Voice 25KHz	85-88	769.537500	799.537500	
	General Use	Voice 25KHz	125-128	769.787500	799.787500	
	General Use	Voice 25KHz	165-168	770.037500	800.037500	
	General Use	Voice 25KHz	209-212	770.312500	800.312500	
	General Use	Voice 25KHz	285-288	770.787500	800.787500	
	General Use	Voice 25KHz	325-328	771.037500	801.037500	
	General Use	Voice 25KHz	365-368	771.287500	801.287500	
	General Use	Voice 25KHz	405-408	771.537500	801.537500	
	General Use	Voice 25KHz	445-448	771.787500	801.787500	
	General Use	Voice 25KHz	489-492	772.062500	802.062500	
	General Use	Voice 25KHz	537-540	772.362500	802.362500	
	General Use	Voice 25KHz	581-584	772.637500	802.637500	
	General Use	Voice 25KHz	629-632	772.937500	802.937500	
	General Use	Voice 25KHz	705-708	773.412500	803.412500	
	General Use	Voice 25KHz	753-756	773.712500	803.712500	

	General Use	Voice 25KHz	865-868	774.412500	804.412500	
	General Use	Voice 25KHz	905-908	774.662500	804.662500	
Nassau	General Use	Voice 25KHz	165-168	770.037500	800.037500	
	General Use	Voice 25KHz	253-256	770.587500	800.587500	
	General Use	Voice 25KHz	353-356	771.212500	801.212500	
	General Use	Voice 25KHz	393-396	771.462500	801.462500	
	General Use	Voice 25KHz	445-448	771.787500	801.787500	
	General Use	Voice 25KHz	509-512	772.187500	802.187500	
	General Use	Voice 25KHz	577-580	772.612500	802.612500	
	General Use	Voice 25KHz	625-628	772.912500	802.912500	
	General Use	Voice 25KHz	709-712	773.437500	803.437500	
	General Use	Voice 25KHz	781-784	773.887500	803.887500	
	General Use	Voice 25KHz	861-864	774.387500	804.387500	
Okaloosa	General Use	Voice 25KHz	17-20	769.112500	799.112500	
	General Use	Voice 25KHz	93-96	769.587500	799.587500	
	General Use	Voice 25KHz	137-140	769.862500	794.862500	
	General Use	Voice 25KHz	201-204	770.262500	800.262500	
	General Use	Voice 25KHz	257-260	770.612500	800.612500	
	General Use	Voice 25KHz	297-300	770.862500	800.862500	
	General Use	Voice 25KHz	349-352	771.187500	801.187500	
	General Use	Voice 25KHz	397-400	771.487500	801.487500	
	General Use	Voice 25KHz	441-444	771.762500	801.762500	
	General Use	Voice 25KHz	497-500	772.112500	802.112500	
	General Use	Voice 25KHz	545-548	772.412500	802.412500	
	General Use	Voice 25KHz	589-592	772.687500	802.687500	
	General Use	Voice 25KHz	637-640	772.987500	802.987500	
	General Use	Voice 25KHz	709-712	773.437500	803.437500	
	General Use	Voice 25KHz	781-784	773.887500	803.887500	
	General Use	Voice 25KHz	821-824	774.137500	804.137500	
	General Use	Voice 25KHz	865-868	774.412500	804.412500	
	General Use	Voice 25KHz	917-920	774.737500	804.737500	
Okeechobee	General Use	Voice 25KHz	373-376	771.337500	801.337500	
	General Use	Voice 25KHz	493-496	772.087500	802.087500	
	General Use	Voice 25KHz	533-536	772.337500	802.337500	

	General Use	Voice 25KHz	573-576	772.587500	802.587500	
	General Use	Voice 25KHz	677-680	773.237500	803.237500	
	General Use	Voice 25KHz	865-868	774.412500	804.412500	
Orange	General Use	Voice 25KHz	13-16	769.087500	799.087500	
	General Use	Voice 25KHz	53-56	769.337500	799.337500	
	General Use	Voice 25KHz	121-124	769.762500	799.762500	
	General Use	Voice 25KHz	165-168	770.037500	800.037500	
	General Use	Voice 25KHz	217-220	770.362500	800.362500	
	General Use	Voice 25KHz	257-260	770.612500	800.612500	
	General Use	Voice 25KHz	297-300	770.862500	800.862500	
	General Use	Voice 25KHz	365-368	771.287500	801.287500	
	General Use	Voice 25KHz	421-424	771.637500	801.637500	
	General Use	Voice 25KHz	473-476	771.962500	801.962500	
	General Use	Voice 25KHz	497-500	772.112500	802.112500	
	General Use	Voice 25KHz	541-544	772.387500	802.387500	
	General Use	Voice 25KHz	581-584	772.637500	802.637500	
	General Use	Voice 25KHz	621-624	772.887500	802.887500	
	General Use	Voice 25KHz	673-676	773.212500	803.212500	
	General Use	Voice 25KHz	749-752	773.687500	803.687500	
	General Use	Voice 25KHz	789-792	773.937500	803.937500	
	General Use	Voice 25KHz	829-832	774.187500	804.187500	
	General Use	Voice 25KHz	905-908	774.662500	804.662500	
	General Use	Voice 25KHz	945-948	774.912500	804.912500	
Osceola	General Use	Voice 25KHz	81-84	769.512500	799.512500	
	General Use	Voice 25KHz	341-344	771.137500	801.137500	
	General Use	Voice 25KHz	389-392	771.437500	801.437500	
	General Use	Voice 25KHz	433-436	771.712500	801.712500	
	General Use	Voice 25KHz	525-528	772.287500	802.287500	
	General Use	Voice 25KHz	593-596	772.712500	802.712500	
	General Use	Voice 25KHz	637-640	772.987500	802.987500	
	General Use	Voice 25KHz	713-716	773.462500	803.462500	
Palm Beach	General Use	Voice 25KHz	17-20	769.112500	799.112500	
	General Use	Voice 25KHz	81-84	769.512500	799.512500	
	General Use	Voice 25KHz	121-124	769.762500	799.762500	

	General Use	Voice 25KHz	161-164	770.012500	800.012500	
	General Use	Voice 25KHz	213-216	771.337500	801.337500	
	General Use	Voice 25KHz	281-284	770.762500	800.762500	
	General Use	Voice 25KHz	341-344	771.137500	801.137500	
	General Use	Voice 25KHz	381-384	771.387500	801.387500	
	General Use	Voice 25KHz	433-436	771.712500	801.712500	
	General Use	Voice 25KHz	473-476	771.962500	801.962500	
	General Use	Voice 25KHz	485-488	772.037500	802.037500	
	General Use	Voice 25KHz	525-528	772.287500	802.287500	
	General Use	Voice 25KHz	565-568	772.537500	802.537500	
	General Use	Voice 25KHz	609-612	772.812500	802.812500	
	General Use	Voice 25KHz	701-704	773.387500	803.387500	
	General Use	Voice 25KHz	749-752	773.687500	803.687500	
	General Use	Voice 25KHz	789-792	773.937500	803.937500	
	General Use	Voice 25KHz	837-840	774.237500	804.237500	
	General Use	Voice 25KHz	877-880	774.487500	804.487500	
	General Use	Voice 25KHz	917-920	774.737500	804.737500	
Pasco	General Use	Voice 25KHz	57-60	769.362500	799.362500	
	General Use	Voice 25KHz	345-348	771.162500	801.162500	
	General Use	Voice 25KHz	385-388	771.412500	801.412500	
	General Use	Voice 25KHz	429-432	771.687500	801.687500	
	General Use	Voice 25KHz	469-472	771.937500	801.937500	
	General Use	Voice 25KHz	493-496	772.087500	802.087500	
	General Use	Voice 25KHz	537-540	772.362500	802.362500	
	General Use	Voice 25KHz	577-580	772.612500	802.612500	
	General Use	Voice 25KHz	633-636	772.962500	802.962500	
	General Use	Voice 25KHz	837-840	774.237500	804.237500	
	General Use	Voice 25KHz	909-912	774.687500	804.687500	
Pinellas	General Use	Voice 25KHz	17-20	769.112500	799.112500	
	General Use	Voice 25KHz	81-84	769.512500	799.512500	
	General Use	Voice 25KHz	121-124	769.762500	799.762500	
	General Use	Voice 25KHz	161-164	770.012500	800.012500	
	General Use	Voice 25KHz	241-244	770.512500	800.512500	
	General Use	Voice 25KHz	285-288	770.787500	800.787500	

	General Use	Voice 25KHz	337-340	771.112500	801.112500	
	General Use	Voice 25KHz	409-412	776.562500	806.562500	
	General Use	Voice 25KHz	453-456	776.837500	806.837500	
	General Use	Voice 25KHz	481-484	777.012500	807.012500	
	General Use	Voice 25KHz	545-548	777.412500	807.412500	
	General Use	Voice 25KHz	617-620	777.862500	807.862500	
	General Use	Voice 25KHz	669-672	772.187500	802.187500	
	General Use	Voice 25KHz	709-712	772.437500	802.437500	
	General Use	Voice 25KHz	749-752	772.687500	802.687500	
	General Use	Voice 25KHz	789-792	772.937500	802.937500	
	General Use	Voice 25KHz	829-832	773.187500	803.187500	
	General Use	Voice 25KHz	877-880	773.487500	803.487500	
Polk	General Use	Voice 25KHz	97-100	774.612500	804.612500	
	General Use	Voice 25KHz	137-140	774.862500	804.862500	
	General Use	Voice 25KHz	201-204	775.262500	805.262500	
	General Use	Voice 25KHz	245-248	775.537500	805.537500	
	General Use	Voice 25KHz	289-292	775.812500	805.812500	
	General Use	Voice 25KHz	357-360	776.237500	806.237500	
	General Use	Voice 25KHz	401-404	776.512500	806.512500	
	General Use	Voice 25KHz	457-460	776.862500	806.862500	
	General Use	Voice 25KHz	517-520	777.237500	807.237500	
	General Use	Voice 25KHz	565-568	772.537500	802.537500	
	General Use	Voice 25KHz	609-612	772.812500	802.812500	
	General Use	Voice 25KHz	661-664	773.137500	803.137500	
	General Use	Voice 25KHz	701-704	773.387500	803.387500	
	General Use	Voice 25KHz	781-784	773.887500	803.887500	
	General Use	Voice 25KHz	821-824	774.137500	804.137500	
	General Use	Voice 25KHz	873-876	774.462500	804.462500	
	General Use	Voice 25KHz	917-920	774.737500	804.737500	
Putnam	General Use	Voice 25KHz	89-92	769.562500	799.562500	
	General Use	Voice 25KHz	217-220	770.362500	800.362500	
	General Use	Voice 25KHz	257-260	770.612500	800.612500	
	General Use	Voice 25KHz	397-400	771.487500	801.487500	
	General Use	Voice 25KHz	501-504	772.137500	802.137500	

	General Use	Voice 25KHz	541-544	772.387500	802.387500	
	General Use	Voice 25KHz	581-584	772.637500	802.637500	
	General Use	Voice 25KHz	621-624	772.887500	802.887500	
	General Use	Voice 25KHz	713-716	773.462500	803.462500	
Santa Rosa	General Use	Voice 25KHz	57-60	769.362500	799.362500	
	General Use	Voice 25KHz	173-176	770.087500	800.087500	
	General Use	Voice 25KHz	217-220	770.362500	800.362500	
	General Use	Voice 25KHz	337-340	771.112500	801.112500	
	General Use	Voice 25KHz	377-380	771.362500	801.362500	
	General Use	Voice 25KHz	425-428	771.662500	801.662500	
	General Use	Voice 25KHz	465-468	771.912500	801.912500	
	General Use	Voice 25KHz	505-508	772.162500	802.162500	
	General Use	Voice 25KHz	553-556	772.462500	802.462500	
	General Use	Voice 25KHz	597-600	772.737500	802.737500	
	General Use	Voice 25KHz	661-664	773.137500	803.137500	
	General Use	Voice 25KHz	717-720	773.487500	803.487500	
	General Use	Voice 25KHz	757-760	773.737500	803.737500	
	General Use	Voice 25KHz	909-912	774.687500	804.687500	
Sarasota	General Use	Voice 25KHz	13-16	769.087500	799.087500	
	General Use	Voice 25KHz	85-88	769.537500	799.537500	
	General Use	Voice 25KHz	125-128	769.787500	799.787500	
	General Use	Voice 25KHz	169-172	770.062500	800.062500	
	General Use	Voice 25KHz	209-212	770.312500	800.312500	
	General Use	Voice 25KHz	249-252	770.562500	800.562500	
	General Use	Voice 25KHz	293-296	770.837500	800.837500	
	General Use	Voice 25KHz	345-348	771.162500	801.162500	
	General Use	Voice 25KHz	397-400	771.487500	801.487500	
	General Use	Voice 25KHz	473-476	771.962500	801.962500	
	General Use	Voice 25KHz	485-488	772.037500	802.037500	
	General Use	Voice 25KHz	537-540	772.362500	802.362500	

	General Use	Voice 25KHz	585-588	772.662500	802.662500	
	General Use	Voice 25KHz	629-632	772.937500	802.937500	
	General Use	Voice 25KHz	673-676	773.212500	803.212500	
	General Use	Voice 25KHz	713-716	773.462500	803.462500	
	General Use	Voice 25KHz	785-788	773.912500	803.912500	
	General Use	Voice 25KHz	825-828	774.162500	804.162500	
	General Use	Voice 25KHz	869-872	774.437500	804.437500	
	General Use	Voice 25KHz	913-916	774.712500	804.712500	
Seminole	General Use	Voice 25KHz	85-88	769.537500	799.537500	
	General Use	Voice 25KHz	129-132	769.812500	799.812500	
	General Use	Voice 25KHz	349-352	771.187500	801.187500	
	General Use	Voice 25KHz	393-396	771.462500	801.462500	
	General Use	Voice 25KHz	437-440	771.737500	801.737500	
	General Use	Voice 25KHz	533-536	772.337500	802.337500	
	General Use	Voice 25KHz	589-592	772.687500	802.687500	
	General Use	Voice 25KHz	629-632	772.937500	802.937500	
	General Use	Voice 25KHz	717-720	773.487500	803.487500	
	General Use	Voice 25KHz	865-868	774.412500	804.412500	
St. Johns	General Use	Voice 25KHz	53-56	769.337500	799.337500	
	General Use	Voice 25KHz	133-136	769.837500	799.837500	
	General Use	Voice 25KHz	249-252	770.562500	800.562500	
	General Use	Voice 25KHz	345-348	771.162500	801.162500	
	General Use	Voice 25KHz	405-408	771.537500	801.537500	
	General Use	Voice 25KHz	461-464	771.887500	801.887500	
	General Use	Voice 25KHz	513-516	772.212500	802.212500	

	General Use	Voice 25KHz	569-572	772.562500	802.562500	
	General Use	Voice 25KHz	673-676	773.212500	803.212500	
	General Use	Voice 25KHz	825-828	774.162500	804.162500	
	General Use	Voice 25KHz	865-868	774.412500	804.412500	
	General Use	Voice 25KHz	905-908	774.662500	804.662500	
St. Lucie	General Use	Voice 25KHz	13-16	769.087500	799.087500	
	General Use	Voice 25KHz	53-56	769.337500	799.337500	
	General Use	Voice 25KHz	125-128	769.787500	799.787500	
	General Use	Voice 25KHz	165-168	770.037500	800.037500	
	General Use	Voice 25KHz	209-212	770.312500	800.312500	
	General Use	Voice 25KHz	257-260	770.612500	800.612500	
	General Use	Voice 25KHz	297-300	770.862500	800.862500	
	General Use	Voice 25KHz	345-348	771.162500	801.162500	
	General Use	Voice 25KHz	397-400	771.487500	801.487500	
	General Use	Voice 25KHz	437-440	771.737500	801.737500	
	General Use	Voice 25KHz	477-480	771.987500	801.987500	
	General Use	Voice 25KHz	509-512	772.187500	802.187500	
	General Use	Voice 25KHz	549-552	772.437500	802.437500	
	General Use	Voice 25KHz	601-604	772.762500	802.762500	
	General Use	Voice 25KHz	705-708	773.412500	803.412500	
	General Use	Voice 25KHz	753-756	773.712500	803.712500	
	General Use	Voice 25KHz	793-796	773.962500	803.962500	
	General Use	Voice 25KHz	833-836	774.212500	804.212500	
	General Use	Voice 25KHz	905-908	774.662500	804.662500	
	General Use	Voice 25KHz	945-948	774.912500	804.912500	

Sumter	General Use	Voice 25KHz	49-52	769.312500	799.312500	
	General Use	Voice 25KHz	417-420	771.612500	801.612500	
	General Use	Voice 25KHz	545-548	772.412500	802.412500	
	General Use	Voice 25KHz	585-588	772.662500	802.662500	
	General Use	Voice 25KHz	669-672	773.187500	803.187500	
	General Use	Voice 25KHz	709-712	773.437500	803.437500	
Suwannee	General Use	Voice 25KHz	17-20	769.112500	799.112500	
	General Use	Voice 25KHz	81-84	769.512500	799.512500	
	General Use	Voice 25KHz	161-164	770.012500	800.012500	
	General Use	Voice 25KHz	341-344	771.137500	801.137500	
	General Use	Voice 25KHz	397-400	771.487500	801.487500	
	General Use	Voice 25KHz	453-456	771.837500	801.837500	
	General Use	Voice 25KHz	493-496	772.087500	802.087500	
	General Use	Voice 25KHz	533-536	772.337500	802.337500	
	General Use	Voice 25KHz	593-596	772.712500	802.712500	
	General Use	Voice 25KHz	633-636	772.962500	802.962500	
	General Use	Voice 25KHz	745-748	773.662500	803.662500	
	General Use	Voice 25KHz	837-840	774.237500	804.237500	
	General Use	Voice 25KHz	905-908	774.662500	804.662500	
	General Use	Voice 25KHz	945-948	774.912500	804.912500	
Taylor	General Use	Voice 25KHz	137-140	769.862500	799.862500	
	General Use	Voice 25KHz	205-208	770.287500	800.287500	
	General Use	Voice 25KHz	245-248	770.537500	800.537500	
	General Use	Voice 25KHz	365-368	771.287500	801.287500	
	General Use	Voice 25KHz	409-412	771.562500	801.562500	

	General Use	Voice 25KHz	509-512	772.187500	802.187500	
	General Use	Voice 25KHz	577-580	772.612500	802.612500	
	General Use	Voice 25KHz	673-676	773.212500	803.212500	
	General Use	Voice 25KHz	713-716	773.462500	803.462500	
	General Use	Voice 25KHz	753-756	773.712500	803.712500	
	General Use	Voice 25KHz	793-796	773.962500	803.962500	
	General Use	Voice 25KHz	861-864	774.387500	804.387500	
Union	General Use	Voice 25KHz	137-140	769.862500	799.862500	
	General Use	Voice 25KHz	349-352	771.187500	801.187500	
	General Use	Voice 25KHz	389-392	771.437500	801.437500	
	General Use	Voice 25KHz	457-460	771.862500	801.862500	
	General Use	Voice 25KHz	573-576	772.587500	802.587500	
Volusia	General Use	Voice 25KHz	137-140	769.862500	799.862500	
	General Use	Voice 25KHz	177-180	770.112500	800.112500	
	General Use	Voice 25KHz	245-248	770.537500	800.537500	
	General Use	Voice 25KHz	321-324	771.012500	801.012500	
	General Use	Voice 25KHz	373-376	771.337500	801.337500	
	General Use	Voice 25KHz	413-416	771.587500	801.587500	
	General Use	Voice 25KHz	453-456	771.837500	801.837500	
	General Use	Voice 25KHz	521-524	772.262500	802.262500	
	General Use	Voice 25KHz	573-576	772.587500	802.587500	
	General Use	Voice 25KHz	613-616	772.837500	802.837500	
	General Use	Voice 25KHz	701-704	773.387500	803.387500	
	General Use	Voice 25KHz	757-760	773.737500	803.737500	
	General Use	Voice 25KHz	821-824	774.137500	804.137500	

	General Use	Voice 25KHz	917-920	774.737500	804.737500	
Wakulla	General Use	Voice 25KHz	97-100	769.612500	799.612500	
	General Use	Voice 25KHz	177-180	770.112500	800.112500	
	General Use	Voice 25KHz	281-284	770.762500	800.762500	
	General Use	Voice 25KHz	353-356	771.212500	801.212500	
	General Use	Voice 25KHz	433-436	771.712500	801.712500	
	General Use	Voice 25KHz	493-496	772.087500	802.087500	
	General Use	Voice 25KHz	541-544	772.387500	802.387500	
	General Use	Voice 25KHz	601-604	772.762500	802.762500	
	General Use	Voice 25KHz	741-744	773.637500	803.637500	
	General Use	Voice 25KHz	829-832	774.187500	804.187500	
Walton	General Use	Voice 25KHz	53-56	769.337500	799.337500	
	General Use	Voice 25KHz	129-132	769.812500	799.812500	
	General Use	Voice 25KHz	245-248	770.537500	800.537500	
	General Use	Voice 25KHz	361-364	771.262500	801.262500	
	General Use	Voice 25KHz	421-424	771.637500	801.637500	
	General Use	Voice 25KHz	473-476	771.962500	801.962500	
	General Use	Voice 25KHz	485-488	772.037500	802.037500	
	General Use	Voice 25KHz	561-564	772.512500	802.512500	
	General Use	Voice 25KHz	609-612	772.812500	802.812500	
	General Use	Voice 25KHz	741-744	773.637500	803.637500	
	General Use	Voice 25KHz	837-840	774.237500	804.237500	
	General Use	Voice 25KHz	877-880	774.487500	804.487500	
Washington	General Use	Voice 25KHz	173-176	770.087500	800.087500	
	General Use	Voice 25KHz	293-296	770.837500	800.837500	

	General Use	Voice 25KHz	341-344	771.137500	801.137500	
	General Use	Voice 25KHz	409-412	771.562500	801.562500	
	General Use	Voice 25KHz	569-572	772.562500	802.562500	
	General Use	Voice 25KHz	677-680	773.237500	803.237500	
	General Use	Voice 25KHz	789-792	773.937500	803.937500	
	General Use	Voice 25KHz	829-832	774.187500	804.187500	

Appendix H

Inter Regional Dispute Resolution Agreement

I. INTRODUCTION

This is a mutually agreed upon Inter-Regional Coordination Procedures Agreement (Agreement) by and between the following 700 MHz Regional Planning Committees, Region 9, Region 1, and Region 10.

II. INTER-REGIONAL COORDINATION AGREEMENT

1. The following is the specific procedure for Inter-Regional coordination which has been agreed upon by Regions 9, 1, and 10 and which will be used by the Regions to coordinated with adjacent Regional Planning Committees.

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. This information will be sent to the adjacent Regional chairperson(s) using the CAPRAD database.

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.

If an applicant's proposed service area extends into an adjacent Public Safety Region(s), the affected Region(s) must approve the application. 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.

III. 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 ten (10) calendar days via email. If the applying Region cannot modify the application to satisfy the objections of the adjacent Region then, a working group compromised of representative 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:

a. Unconditional concurrence;

b. Conditional concurrence contingent upon modification of Applicant's technical parameters; or

c. Partial or total denial of proposed frequencies due to inability to meet co-channel/adjacent channel interference free protection to existing licenses 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 (NPSTC). 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 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.

3. 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).

4. 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.

IV. CONCLUSION

IN AGREEMENT HERETO,

Respectfully,

R. H. Carlson, Chairman

Date:__03-07-2014