

**STATE OF FLORIDA – REGION 9** REGIONAL PLANNING COMMITTEE PUBLIC SAFETY 800 MHz BAND RADIO COMMUNICATIONS PLAN Amendment #16

Amendment Date: November 2017

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## **1.0 INTRODUCTION**

### **1.1 Summary**

Due to the growing problem of radio spectrum shortages and the inadequacy of scattered frequency allocations to meet intercommunications needs between public safety agencies, the Federal Communications Commission (FCC) Authorization Act of 1983 required "that the FCC establish a plan which adequately ensures that the needs of State and local public safety agencies will be taken into account when the FCC makes decisions regarding spectrum allocations."

In July 1986, following a study of present and future public safety communications requirements<sup>1</sup>, the FCC allocated the 821-824/866-869 MHz band (previously known as the "800 MHz reserve") to Public Safety and Special Emergency Radio Service eligibles<sup>2</sup>. In further accordance with the Congressional directive however, the allocation specified that the new frequencies could not be used until a National Plan for their utilization had been adopted. Since then, this band has been relocated to 806-809/851-854 MHz; the new frequency values and channel numbers will be used from this point forward in this document.

The FCC then established a National Public Safety Planning Advisory Committee (NPSPAC)<sup>3</sup> to develop a plan for use of the new spectrum to satisfy the two broad objectives of *interoperability* between communications systems and *efficient use* of the spectrum. The resulting National Plan was adopted by the FCC in November 1987<sup>4</sup>. A major component of the National Plan was the subdivision of the United States and its territories into local planning regions of which the State of Florida is designated as Region 9.

In following the guidelines of the National Plan, the Florida-Region Plan:

- A. Identified the communications requirements of public safety services in terms of the channel requirements through the year 2000;
- B. Established a scheme for efficient use of the new frequencies through initial computer allotment of channels and subsequent application requirements;
- C. Established a scheme to increase utility of existing public safety frequencies by means of requirements regarding the relinquishment of lower frequencies, as well as through conformance to established State of Florida plans;
- D. Addresses the use of new technology applications to public safety communications, and;
- E. Establishes review and approval requirements at the Region level to ensure compliance with the National Plan.

<sup>&</sup>lt;sup>1</sup> FCC Order, PR Docket No. 84-232, entitled "Future Public Safety Telecommunications Requirements", adopted June 21, 1985.

<sup>&</sup>lt;sup>2</sup> Report and Order, General Docket Nos. 84-1231, 84-1233, and 84-1234 adopted July 24, 1986.

<sup>&</sup>lt;sup>3</sup> Charter of the National Public Safety Planning Advisory Committee, published in Appendix A, Notice of Proposed Rulemaking, General Docket No. 87-112, adopted November 24, 1987.

<sup>&</sup>lt;sup>4</sup> FCC Report and Order, General Docket No. 87-112, entitled "Development and Implementation of a Public Safety National Plan and Amendment of Part 90 to Establish Rules and Technical Standards for Use of the 821-824/866-869 MHz Bands by the Public Safety Services", adopted November 24, 1987.

This Region Plan for radio spectrum usage by public safety agencies in the State of Florida was prepared by the Florida-Region and Subregion Plan Committees, which represent a cross-section of public safety radio users throughout the State of Florida. The process of developing this Region Plan has included representative individuals of agencies legally responsible for public safety radio communications interests at the State, County, and municipal levels to insure that all Public Safety and Special Emergency Radio Service eligibles have had an opportunity to participate.

Although this Region Plan has been prepared with the most current information and resources available to the Region Committee, it is expected that new and modified needs will arise from time to time for varying reasons, and that revisions to accommodate these needs will be necessary. Applicants are advised to verify that only the most current version of this Region Plan is used in preparing applications.

Eligible parties must also be aware that the available frequencies contained in this Region Plan are not necessarily a permanent allocation to the Public Safety Radio Pool.

## **1.2 Acknowledgments**

On behalf of the Florida-Region, sincere appreciation is extended to the Chairmen of each of the Florida Subregions<sup>5</sup> for their invaluable assistance and patience during preparation of this Region Plan, as well as to all Subregion Committee Members in general, who through their work with individual agencies, provided the data necessary to establish spectrum requirements throughout the State of Florida.

Particular appreciation is given to Mr. Mark Pallans of Subregion 7 for his work in preparation of the original planning document for that subregion, which served as the core from which the full Region Plan was developed.

Appreciation is also due for the cooperation and assistance of the Officers of the Florida Chapter of the Association of Public-Safety Communications Officials - International, Inc. (APCO), including their assistance in the arrangement of meeting facilities and advertisement of Florida-Region Meetings, for the copying and distribution of Florida-Region Plan drafts, and especially for their unqualified support in general toward a successful completion of the Florida-Region Plan.

A special thanks is extended to the Florida-Region Writing Committee<sup>6</sup>, who volunteered and committed their time, energy, and ideas toward a successful final draft of the Florida-Region Plan.

## MR. BOB FERRELL - State of Florida Communications Engineer - (SK) 2011

A final note of appreciation is extended to Mr. Bob Ferrell, Florida-Region Vice Chairman. Not only for his service as an influential Task Group Leader of the National Public Safety Planning Advisory Committee (NPSPAC) during 1987, but also for his many hours of work toward the final form of this Florida-Region Plan, particularly as regards its organization, technical accuracy, and thoroughness. Bob's tireless work for over 25 years will be recognized as a permanent part of this region plan.

<sup>&</sup>lt;sup>5</sup> Appendix A, page A-19, "Initial Members of the Florida Region Committee" lists the original committee members. A list of current members is in **Table I.** 

<sup>&</sup>lt;sup>6</sup> The final Writing Committee consisted of Mr. John DiSalvo (Region Chairman), Mr. Bob Ferrell (Region Vice Chairman), Mr. Rick Stevens (Subregion 1 Chairman), Mr. Steve Harbuck (Subregion 2 Chairman), Mr. Earl Hoffay (Subregion 3 Chairman), Mr. Greg Ballantine, (representative, Subregion 4), Mr. Jerry Meinhardt (representative, Subregion 5), Mr. Ben Holycross (Subregion 6 Chairman), Mr. Joe Mancuso (Subregion 7 Chairman), Mr. Mark Pallans (representative, Subregion 7), Mr. John McHugh (representative, Subregion 7), Mr. Jean Hahn (representative, Subregion 7) and Mr. Richard Jenkins (representative, Subregion 7).

## **1.3 Authority**

The availability of the 806-809/851-854 MHz frequencies to eligibles in the Public Safety Pool is governed by FCC Rules and Regulations, Sections 90.16 which state in part:

"The Commission has established a National Plan which specifies special policies and procedures governing the Public Safety Pool (formerly Public Safety Radio Services and the Special Emergency Radio Service). The National Plan is contained in the Report and Order in General Docket No. 87-112."

and further that:

"No assignments will be made in the spectrum designated for the National Plan until a regional plan for the area has been accepted by the Commission."

Procedures for the selection and assignment of these frequencies to eligibles within the Florida-Region, and in particular the requirements regarding co-channel interference, adjacent offset-channel interference, and channel exclusivity are contained within this Region Plan under the authority of FCC Rules and Regulations, Section 90.621 (g), which states in part:

## "Applications for Public Safety systems (both trunked and conventional) in the 806-809/851-854 MHz bands will be assigned and protected based on the criteria established in the appropriate regional plan."

The Florida-Region Plan has been developed to conform to the National Plan. If there arises a conflict between the two plans, the National Plan will govern. It is expected that other Region Plans will differ from this Region Plan due to dissimilar circumstances and geography. Nothing in this Region Plan is to interfere with the proper functions and duties of organizations certified by the FCC for frequency coordination in the Private Land Mobile Radio Services, but rather it provides for procedures, which are the consensus of the Public Safety Radio Pool eligibles in the Florida-Region. If there arises a perceived conflict, the judgment of the FCC will prevail.

This Region Plan does not attempt to restate all FCC Rules and Regulations, which apply to applications for and use of frequencies in this band. Part 90 of the FCC Rules is contained in Title 47 of the Code of Federal Regulations (CFR 47) which can be found at:

http://wireless.fcc.gov/index.htm?job=rules and regulations

### **1.4 Requests for Copies**

A master copy of the FCC-approved Florida-Region Plan, appendices A through E and all amendments (signed and dated) will be maintained by the State of Florida Department of Management Services. Copies of the latest approved version of the Florida-Region Plan may be obtained from:

The Florida-Region Committee c/o Bureau of Public Safety State of Florida, Department of Management Services 4030 Esplanade Way, Suite 135 Tallahassee, Florida 32399-0950

### FLORIDA REGION 9 PLAN – Section 1 - INTRODUCTION

or via the Internet from:

http://dms.myflorida.com/suncom/public\_safety/radio\_communications/radio\_communication\_plans

## **1.5 Amendment Procedures**

Amendments to the Florida-Region Plan will be prepared by the Florida-Region Committee and coordinated with the FCC for review and approval as required. With each amended version, the latest AMENDMENT MEMORANDUM will be placed directly behind the Table of Contents, which summarizes the revisions included in the new version.

END OF SECTION 1

## 2.0 DEVELOPMENT OF THE FLORIDA-Region PLAN

## 2.1 Public Notice and Convening Meeting of the Florida-Region

Public Notice of the Convening Meeting of the Florida-Region<sup>7</sup> was published in the Florida Administrative Weekly<sup>8</sup>, as well as directly mailed to County Administrators<sup>9</sup>, City Clerks or Managers<sup>10</sup>, Emergency Medical and other Special Emergency eligibles<sup>11</sup>, as well as other interested parties<sup>12</sup> as shown in Appendix A. The Florida Administrative Weekly (renamed Florida Administrative Register) is published by the Florida Department of State and is the official publication in the State of Florida for notification of rulemaking proceedings, hearings, workshops and meetings.

The Convening Meeting, as were all subsequent Region and Subregion Committee meetings, was open to the public and encouraged the addressing of all issues and suggestions toward mutual satisfaction of both FCC requirements and public safety need regarding the new NPSPAC spectrum.

The Convening Meeting followed a published agenda<sup>13</sup>, during which issues of National and Region significance were addressed by Florida, APCO, and FCC officials. During this meeting, a Region Chairman was elected by vote of the members present, and the geographic Subregions of the State were defined and approved as a practical approach to managing development of the Region Plan. The Florida Subregions were determined based on locations of the major metropolitan areas of Florida. Selection of Subregion Conveners was completed, as well as agreement of the process for establishing Subregion Committees and holding Subregion Meetings. The Official Minutes and Attendee List of the Convening Meeting are included in Appendix A<sup>14</sup>. Names, addresses, and telephone numbers of the current Region and Subregion Chairmen are shown in Table I.

On May 23, 2017, the Region Committee realigned the subregion boundaries to align with Florida's regional domestic security task force areas. In addition to changing the numbers of counties in the subregion, subregions 4 and 5 had the reference number swapped. See Figure 1 for a map of the subregion boundaries and Table II for a list of counties for each subregion.

### 2.2 The Florida-Region Committee and Committee Meetings

The Florida-Region Committee was established to consist of the Region Chairman and each of the Subregion Chairmen (with advisory membership from the State of Florida Department of Management Services and the APCO Florida Chapter frequency advisory committee<sup>15</sup>), to oversee and advise Subregion operations, as well as to prepare and maintain the Florida-Region Plan. Following the Convening meeting, four additional

<sup>&</sup>lt;sup>7</sup> See Appendix A, page A-2, "Public Notice Advertisement".

<sup>&</sup>lt;sup>8</sup> See Appendix A, pages A-22 through A-88, "Florida Administrative Weekly Subscribers".

<sup>&</sup>lt;sup>9</sup> See Appendix A, pages A-89 through A-94, "List of Notified County Administrators".

<sup>&</sup>lt;sup>10</sup> See Appendix A, page A-95 through A-111, "List of Notified City Clerks/Managers".

<sup>&</sup>lt;sup>11</sup> See Appendix A, pages A-112 through A-132, "List of Notified Hospitals and Trauma Centers", pages A-133 through A-144, "List of Notified Emergency Medical Service Providers", and pages A-145 and A-146, "List of Notified Medical Associations".

<sup>&</sup>lt;sup>12</sup> See Appendix A, page A-147, "List of Notified Interested Parties".

<sup>&</sup>lt;sup>13</sup> See Appendix A, page A-3, "Agenda, 800 MHz Florida Region Planning Meeting".

<sup>&</sup>lt;sup>14</sup> See Appendix A, pages A-5 through A-18, "Official Minutes and Attendee List".

<sup>&</sup>lt;sup>15</sup> See Appendix A, page A-21, "Florida APCO Frequency Advisors".

#### FLORIDA REGION 9 PLAN – Section 2 – DEVELOPMENT OF THE FLORIDA REGION PLAN

Florida-Region Committee meetings were conducted during 1988 and 1989 toward development of this Florida-Region Plan<sup>16</sup>.

#### Table I - Florida-Region 9 and Subregion Chairmen

#### **REGIONAL CHAIRMAN:**

Sgt. Jason Matthews E-911 Communications Lake County Sheriff's Office 360 W. Ruby St. Tavares, FL 32778 (352) 742-3940 jason.matthews@lcso.org

#### **SUBREGION 1 CHAIRMAN:**

Sgt. George Hawkins (ret.) Santa Rosa County Sheriff's Office P.O. Box 7129 Milton, FL 32572 (850) 983-1276 ghawkins@srso.net

#### **SUBREGION 4 CHAIRMAN:**

Mr. Kourosh Bastani Radio Systems Manager Polk County Emergency Mgmt. 2202 Bartow Municipal Airport Bartow, FL 33830 (863) 519-7381 kouroshbastani@polk-county.net

#### **SUBREGION 7 CHAIRMAN:**

Mr. Mark Filla Radio System Manager Palm Beach County 2633 Vista Parkway West Palm Beach, Florida 33411-5604 (561) 233-0837 mfilla@pbcgov.org

#### **REGIONAL VICE-CHAIRMAN:**

Mr. Gary Gray Radio Systems Manager (ret.) City of Ft. Lauderdale 100 N. Andrews Ave. Ft. Lauderdale, FL 33301 (954) 828-5762 gary.gray56@aol.com

#### **SUBREGION 2 CHAIRMAN:**

Mr. Chris Pandolfi City of Tallahassee 642C Mabry St Tallahassee, FL 32304 (850) 544-3756 chris.pandolfi@talgov.com

#### **SUBREGION 5 CHAIRMAN:**

Mr. David Hazen Radio System Specialist Orange County Public Safety 3511 Parkway Center Court Orlando, FL 32808 (407) 836-2795 david.hazen@ocfl.net

#### **SUBREGION 8 CHAIRMAN:**

Mr. Kurt Eckel Bureau of Public Safety State of Florida Dept. of Management Services 4030 Esplanade Way, Ste 135 Tallahassee, FL 32399-0950 (850) 487-0544 kurt.eckel@dms.fl.gov

#### **SUBREGION 3 CHAIRMAN:**

Mr. Lee Mathis Radio System Manager St. Johns County 4425 Avenue A St. Augustine, FL 32095 (904) 209-1789 Lmathis@sjcfl.us

#### **SUBREGION 6 CHAIRMAN:**

Mr. Justin Koval Communications Technical Specialist Collier County Sheriff's Office 8075 Lely Cultural Pkwy Naples, FL 34113 (239) 252-9374 justin.koval@colliersheriff.org

<sup>&</sup>lt;sup>16</sup> See Appendix B, "Florida Region Committee Meetings", which includes the agenda, minutes and attendee lists of all meetings.

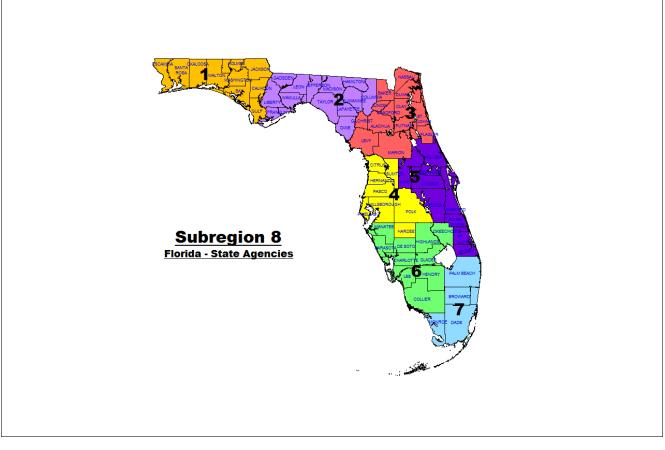


Figure 1 - Florida Region and Subregion Boundaries \*

# 2.3 Florida Subregion Committees and Committee Meetings

Each of the Subregion Chairmen was elected and the Committees organized through public meetings advertised in the Florida Administrative Weekly and local newspapers, as well as directly mailed to County Administrators, City Clerks or Managers, emergency and other Special Emergency organizations (including hospitals, trauma centers, basic and advanced life support, and air-ambulance providers), State Attorneys, Public Defenders and other organizations located in each Subregion. Copies of the original Public Notices are included in Appendix C. A list of the current Region and Subregion Chairmen is shown in Table II.

## 2.4 Preparation of the Florida-Region 9 Plan

The foundations of this Florida-Region Plan were prepared by the Subregion 7 Committee (Southeast Florida) as a document representing the interests and needs of that area, and to be subsequently used as a guide toward development of the full Region Plan. The initial Subregion 7 planning document was based largely on the NPSPAC Final Report, FCC rulemakings, and the draft plans of other Regions.

<sup>\*</sup> Subregion Boundaries were re-drawn/allocated at the May 2017 annual meeting to align the sub-regions with the Regional Domestic Security (RDSTF) regions to allow better coordination with the interoperability committees.

Subregion 1	Subregion 2	Subregion 3	Subregion 4
Escambia Santa Rosa Okaloosa Walton Holmes Washington Bay Jackson Calhoun Gulf	Liberty Franklin Gadsden Leon Wakulla Jefferson Madison Taylor Hamilton Suwannee Lafayette Dixie Columbia	Nassau Baker Duval St. Johns Flagler Putnam Clay Union Bradford Alachua Marion Gilchrist Levy	Citrus Hernando Sumter Pasco Hillsborough Pinellas Polk Hardee
Subregion 5	Subregion 6	Subregion 7	Subregion 8
Volusia Lake Seminole Orange Osceola Brevard Indian River St. Lucie Martin	Manatee Sarasota DeSoto Highlands Okeechobee Glades Hendry Collier Lee Charlotte	Palm Beach Broward Miami-Dade Monroe	Florida – State Agencies

## Table II - List of Counties for each Subregion

The Subregion 7 plan was then generalized and expanded by the Region Committee to include all Subregions as well as statewide needs. Upon completion of a comprehensive draft, a Writing Committee was established by open invitation to the Region<sup>17</sup> to discuss and recommend editorial changes to the complete document. The Writing Committee reviewed the entire document, and by consensus agreed upon particular changes in the best interests of the entire Region.

Following a final review by the Writing Committee, final editing and printing of the Plan was accomplished by the Region Chairman and Vice Chairman, with the assistance of both the Florida Department of Management Services and the Florida Chapter of APCO.

# END OF SECTION 2

<sup>&</sup>lt;sup>17</sup> See Appendix B, page B-11, "Official Minutes, Florida Region Committee Meeting, April 10, 1989."

## **3.0 REGION ORGANIZATION AND OPERATING PROCEDURES**

## 3.1 Region Committee Organization and Role

The standing membership of the Florida-Region Committee shall consist of the Region Chairman, each of the Subregion Chairmen, and as contributing but non-voting members, a representative of the State of Florida Department of Management Services and the Florida APCO local frequency advisors.

Following FCC approval of the Florida-Region Plan, the Region Committee will remain in place to assist and advise the Subregion Committees in any matters, to recommend future amendments to the Plan, to control the frequency allotment process, to provide a mechanism for resolution of interregional problems, and to periodically review the system implementation status of licensees subject to the Region Plan.

## **3.2 Region Committee Operating Procedures**

**A.** The Region Chairman elected during the Convening meeting shall remain in that position until a replacement is elected by majority vote of all Subregion Chairmen. Subsequent Region Chairmen shall be elected by similar vote.

**B.** The Region Chairman shall nominate a candidate for the position of Vice Chairman, who shall be elected by a majority vote of at least five of the Subregion Chairmen.

**C.** On all other voting issues, the Region Chairman and Subregion Chairmen shall each have one vote which may be cast by members or Vice Chairmen in physical attendance, submitted in writing, or by documented teleconferences. In the event of a tie vote, the Region Chairman shall cast a second and deciding vote.

**D**. Each Region Committee meeting date and agenda shall be set by the Chairman with at least a fifteen calendar-day notice. All meetings are open to the public and shall be announced in the Florida Administrative Register. An official sign-in attendance log shall be used at each meeting to document the name of each individual in attendance, their Region Committee position, as well as organization and Subregion affiliation.

**E.** A quorum is necessary in order to conduct a Region Committee meeting and shall consist of the Region Chairman or Vice Chairman plus at least four Subregion Chairmen or their respective designee. Other interested parties are invited to attend and comment on agenda items but shall have no vote.

### 3.3 Subregion Committee Organization and Role

The standing membership of each Subregion Committee shall consist of its Subregion Chairman and all interested individuals representing eligibles within the geographic area of that Subregion. The Subregion shall attempt to have at least one principal agency from each of the counties which comprise the Subregion be actively involved to ensure an equitable representation of interests.

The Subregion Committee activities are the principal means through which individual organizations democratically determine the public safety communications problems, needs, and priorities within the Subregion, and through their Subregion Chairmen, provide the Region Committee with the necessary data and recommendations for maintenance of the Florida-Region Plan in general.

## **3.4 Subregion Committee Operating Procedures**

**A.** Each Subregion Chairman shall be elected by majority vote of the standing membership of the Subregion Committee or, in the absence of a standing membership, by a majority vote of the Region Committee.

**B.** Each Subregion Chairman may nominate a candidate for the position of Subregion Vice Chairman, who shall be elected by a majority vote of the standing membership of the Subregion Committee.

**C.** Each Subregion Committee meeting date and agenda shall be set by the Subregion Chairman with at least a ten calendar-day notice. All meetings are public and shall be announced in the Florida Administrative Register and/or by other suitable local means as determined by the Subregion Chairman.

**D.** Parliamentary procedures (Robert's Rules of Order) shall be followed. An official sign-in attendance log shall be used at each meeting to document the name of each individual in attendance as well as the organization and eligibility category whose interest they represent.

**E.** All votes will be by simple majority from the members present at the meeting, except that a single agency shall be allowed no more than one vote for each distinct eligibility category within the agency's organization or political jurisdiction. In voting on any issue, the individual must identify himself/herself, and the agency and eligibility category, which he or she represents. This will be checked against the sign-in log to ensure that each local interest gets only one vote.

## 3.5 Relationship with Other Organizations

**A.** <u>The State of Florida Department of Management Services:</u> The State of Florida Department of Management Services (the Department) is mandated by Florida Law<sup>18</sup> to control the planning, procurement, and use of communications systems by all state agencies; to advise state agencies and political subdivisions (counties) as to the systems and methods to be used to meet communications requirements efficiently and effectively; and to control the approval of establishment or expansion of all state agency communications systems as well as those of all local law enforcement and emergency medical service organizations.</u>

In view of those statutory responsibilities, the Department has a central role in the establishment and maintenance of the Florida-Region 9 Plan. The Florida-Region Committee has and will continue to maintain a close functional relationship with the Department toward the mutual goal of a successful Region 9 Plan. The Department is the central point of contact for Region 9 matters pertaining to:

(1) Publication, distribution, maintenance, and Federal Communications Commission approval of the Region 9 Plan;

(2) Arrangement for and public notice of Florida-Region Committee meetings, and if required, Subregion Committee meetings;

(3) A central computerized and hardcopy database repository of all Florida applications for, and allotments of, frequencies in this portion of the spectrum;

(4) The development and distribution of algorithms and computer programs necessary to maintain both spectrum efficiency and specific minimums of radio interference for both co-channel and adjacent offset-channel systems within the Florida-Region, and;

<sup>&</sup>lt;sup>18</sup> Florida Statutes, Chapter 282 (Part III) entitled "<u>Communication Information Technology Services</u>", and Chapter 401 (Part I) entitled "<u>Emergency Telecommunication Systems</u>".

(5) Direct liaison for coordination of frequency use with the adjacent regions of Alabama (Region-1), Georgia (Region-10), and Mississippi (Region-23).

**B.** <u>FCC Public Safety Pool Frequency Coordinators:</u> The FCC has certified several Public Safety Frequency Coordinators for the 806-809/851-854 MHz band, as well as for all Local Government and Police Radio Frequency applications below 800 MHz. These coordinators include the Association of Public-Safety Communications Officials (APCO), American Association of State Highway and Transportation Officials (AASHTO), International Municipal Signal Association (IMSA), and Forestry Conservation Communications Association (FCCA). Further information on public safety frequency coordinators can be found at:</u>

http://www.fcc.gov/pshs/public-safety-spectrum/coord.html

**C.** <u>*The Adjacent Regions of Georgia, Alabama, and Mississippi:*</u> Allotments of the 806-809/851-854 MHz frequencies in the northern areas of the Florida-Region have been successfully coordinated with the adjacent regions of Alabama, Georgia, and Mississippi as documented in Appendix F. Realizing two counties in Florida fall within 70 miles of Mississippi, that region has been included in Appendix F as a third adjacent region successfully coordinated.

The Florida-Region Committee will continue to regularly advise and seek coordination with these adjacent regions as to the implementation of systems on these channels, as well as regarding any changes to this or the adjacent regions' plans for use of these channels. All mutual agreements between these adjacent regions will be documented and retained with Region 9 records.

Each adjacent region is expected to respond to requests for adjacent-region concurrence within 30 calendar days. A second request will be sent to non-responsive adjacent regions for another 5 working days, after which the Florida-Region 9 Chair or Vice-Chair will determine a course of action on behalf of the affected applicant in Florida.

END OF SECTION 3

## 4.0 CHANNEL ALLOTMENT METHODOLOGY AND PLAN

## 4.1 Methodology Overview

The channel allotment methodology used by Region 9 began with a statewide survey of eligible users to determine specific needs, followed by the establishment of channel pools for those areas not having immediate demands for channels. The results of these findings were then analyzed by computer to determine an initial channel allotment plan to maximize frequency re-use as well as to best satisfy the needs for additional spectrum.

### 4.2 Statewide 800 MHz Survey

Following the establishment of the Florida-Region Committee, a statewide survey was developed and transmitted to potential applicants through the Subregion Committees. A copy of the survey document is included in Appendix D. As was expected, the majority of survey respondents were from those parts of the Region having a known shortage of channels, particularly the South Florida area. The survey results from these most congested areas showed that the new allotment would still fall short of meeting the demand. To enable a viable allotment plan, the Region Committee, together with potential applicants, reduced the channel quantities requested in those areas to values, which possibly could be allotted by computer.

## 4.3 Establishment of Channel Pools

For those areas of the Region not having an immediate demand for the new channels, the Region Committee first applied the ratio of one channel per 25,000 population. This method was found to provide reasonable estimates in the more populated counties. However, it tended to underestimate realistic quantities in the rural areas of the State, particularly those with numerous small municipalities. The Committee determined that the 1:25,000 ratio should be applied except where obvious underestimates occurred.

In the case of rural areas, a second algorithm was developed which estimates channel requirements for each separate jurisdiction based on known quantities of sworn law enforcement personnel. The quantities were then multiplied by factors, which estimate the total number of eligible users in all categories, as well as anticipated growth through the year 2000. A rate of 4% annually was used based on a ten-year statewide average in law enforcement growth. The algorithm is based on the premise that the overall quantity of Public Safety eligibles parallels that of law enforcement agencies.

## 4.4 Computerized Channel Allotment Program

In performing the initial allotment process, the Region Committee used a computer program made available by Motorola through Communications Engineering Technology, Inc. (CET), to provide a basic distribution of channels. For both the required coverage and interference calculations, the program utilized the data of Okumura<sup>19</sup> and was further modified by Motorola to adjust for 922 MHz to 838 MHz. The Okumura "suburban" environment as well as an adjustment for 6-foot mobile antenna heights was used.

<sup>&</sup>lt;sup>19</sup> Yoshihisa Okumura, et al, "Field Strength and its Variability in VHF and UHF Land-Mobile Service", Review of the Electrical Communication Laboratory, Vol. 16, Nos. 9-10, September-October, 1968.

The first program run was attempted in April 1989, and quickly showed that channel needs for the South Florida area were still too severe. The Region 9 Committee again reduced the channel requests for that area by further defining specific locations and coverage areas for municipal systems, and by sub-dividing the jurisdictions and channel needs of countywide systems based on population densities. Five subsequent computer runs between July and October 1989 were required to arrive at an acceptable solution.

Based on the original requirements of actual channel loading needs in 1989, the final allotment fell short by twenty-one channels (18 for the Metro-Dade East area, 1 for Broward County and 2 for the Ft. Lauderdale area consolidated system). Based on a present requirement of 152 channels and utilizing a 4% annual growth projection to the year 2000, the total projected channel shortage for the combined Palm Beach, Broward, and Dade County area is 91 channels.

The current allotment program (used beginning with Amendment #7) was developed by the State of Florida Department of Management Services (DMS) specifically for the Florida-Region. The current program allows prioritized re-allotments around existing licensees in order to maintain spectrum efficiency while satisfying new spectrum needs. Both the original and current programs utilize the same coverage and interference models.

**A.** <u>System Coverage Area and Signal Strength Criteria</u>: The coverage area of each system was limited to no more than three (3) miles outside the boundary of the applicant's legal jurisdiction. The mean signal strength at this contour was limited to +40 dBu.

**B.** <u>*Co-Channel Interference Criteria:*</u> Co-channel assignments were made on the basis that an undesired co-channel mean signal level shall be no more than +14.4 dBu anywhere within the +40 dBu coverage contour of the desired station.

**C.** <u>Adjacent Offset-Channel Interference Criteria</u>: Adjacent offset-channel assignments were made on the basis that an adjacent mean signal level shall be no more than +33.3 dBu anywhere within the +40 dBu coverage contour of the desired station.

**D.** <u>*Channel Separation Criteria:*</u> For practical engineering reasons of transmitter combining, frequency assignments for the same site, for the same applicant, were spaced at least 0.25 MHz apart<sup>20</sup> to the degree possible.

## 4.5 Florida-Region Channel Allotment Process

During the first decade or so of Region 9 license application activity, the Region 9 Plan incorporated a quantitative evaluation process for competitive applications. An advertised "filing window" procedure was also used during this time to enable groups of applications to be simultaneously evaluated with the goal of finding the most efficient channel allotments for the applicants and the Region as a whole.

The "filing window" procedure was expanded to an ongoing window after the Region 9 Committee and DMS have saw a reduction in the rate of applications for new systems and new allotments, and an absence of mutually exclusive applications. For these reasons, application review and channel allotments are now made on a simpler first-come, first-served basis.

<sup>&</sup>lt;sup>20</sup> Improvements in transmitter combiner technology in recent years have enabled spacing to be reduced to 150 kHz.

## 4.6 Tables of Region 9 Channel Allotments

Table III shows all channels in the 806-809/851-854 MHz band in a useful matrix format. The channel spacing in kHz between any two channels can be easily determined from this matrix without having to subtract frequencies.

Table IV shows the all channel allotments (including licensed channels) sorted alphabetically by County. Some counties are further subdivided into the particular county or city agencies requesting channels. Each jurisdiction is assigned a unique jurisdiction number.

The "ALLOTMENT TYPE" column of Table IV indicates one of the following for each jurisdiction:

- POOLED: Channel allotments for which there are no specific requests at this time, but which are available to all eligible entities in the jurisdiction.
- DEDICATED: Channel allotments requested for a specific jurisdiction but which have not been licensed.
- STATEWIDE: Channel allotments requested for a statewide jurisdictional area and for mutual aid communications.
- APPLIED: Channel allotments which have been recently approved by the Region Committee but which may not yet be licensed.
- LICENSED: Channel allotments for which FCC licenses have been granted.

For POOLED allotment types, the coordinates by latitude and longitude, and Protected Service Area Contour (PSAC) radius in miles represent artificial sites and circular contours for allotment purposes only. The resulting combined coverage for a particular area was established to correlate with the actual jurisdiction but not more than three miles beyond. Actual systems may be installed with more or fewer sites, and at different locations than indicated, provided that the PSAC is no more than 3 miles beyond the applicant's legal jurisdiction, and the system interference protection standards and other requirements of this Region Plan are maintained. Once specific (POOLED) channels allotments have been approved by the Region Committee for use by eligibles in a specified jurisdiction, the approved channels will be relabeled as APPLIED or LICENSED as indicated above.

Table V shows the same channel allotments as Table IV, but sorted by FCC channel numbers and frequencies in MHz.

Tables IV and V are regularly updated by DMS as new applications or modifications are approved. The latest versions of Tables IV and V can be provided upon request or downloaded at:

http://www.dms.myflorida.com/business\_operations/telecommunications/radio\_communications\_s ervices/radio\_communications\_plans/florida\_region\_9\_plan\_for\_public\_safety\_radio\_communicat ions

Channels for portable radios operating on a secondary, non-interference basis to primary channel allotments will appear in Tables IV and V only after they have been applied for or licensed. They will be indicated by the term "secondary" and shall be entitled to no assurance of protection from primary stations.

### Table III – 806-809/851-854 MHz Channel Matrix

Channels in this matrix are spaced 12.5 kHz horizontally and 250 kHz vertically (except for mutual aid channels which have a 25 kHz adjacent channel spacing). For example, channels 2 and 3 are 12.5 kHz apart, and channels 2 and 22 are 250 kHz apart. Similarly, channels 2 and 42 are 250 + 250 + 12.5 + 12.5 = 525 kHz apart. The frequencies represented by each channel number are listed in Table VI.

8CALL90	U	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
		22	23	24	25	26	27	28	29	30	31	32	G	SLERS	SLERS	SLERS	SLERS	SLERS	U	8TAC91	U
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
		60	61	62	63	64	65	66	67	68	69	70	G	SLERS	SLERS	SLERS	SLERS	SLERS	U	8TAC92	U
		78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97
		98	99	100	101	102	103	104	105	106	107	108	G	SLERS	SLERS	SLERS	SLERS	SLERS	U	8TAC93	U
		116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
		136	137	138	139	140	141	142	143	144	145	146	G	SLERS	SLERS	SLERS	SLERS	SLERS	U	8TAC94	U
		154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173
		174	175	176	177	178	179	180	181	182	183	184	G	SLERS	SLERS	SLERS	SLERS	SLERS	G	192	193
		194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213
		214	215	216	217	218	219	220	221	222	223	224	G	SLERS	SLERS	SLERS	SLERS	SLERS			

8CALL90 = mutual aid Calling channel (1)

8TAC91 = mutual aid Tactical channel #1 (39)

8TAC92 = mutual aid Tactical channel #2 (77)

8TAC93 = mutual aid Tactical channel #3 (115)

8TAC94 = mutual aid Tactical channel #4 (153)

SLERS = State of Florida Statewide Law Enforcement Radio System (channel numbers listed at the end of Table V)

G = guard channels (33, 71, 109, 185, 191, 225)

U = unallocated spectrum providing for 25 kHz spacing of mutual aid channels

This table uses the National Public Safety Telecommunications Council (NPSTC) naming convention for 800 MHz mutual aid channels. A letter "D" should be appended to each for the talk-around version of each mutual aid channel, for example "8CALL90D".

	S. JURISDICTION NAME	ALLOTMENT TYPE	LATITUDE	CATIONS LONGITUDE	(mi)	CHANNELS			EL NU	MBERS	;
	ALACHUA COUNTY (all eligibles)	POOLED	29-35-00 29-47-00 29-43-00 29-32-00	82-31-00 82-29-00 82-11-00 82-11-00	12 12 12 12	7	30		103	146	184
1.2	Alachua County	LICENSED	29-42-15 29-39-31 29-37-54 29-46-19 29-35-34 29-49-25 29-46-19	82-23-15 82-19-48 82-25-07 82-11-59 82-11-24 82-33-46 82-11-59	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		10 79 180	99	48 108	50 160	70 166
1.3	City of Gainesville	LICENSED	29-42-15 29-39-31 29-37-54 29-46-19 29-35-34 29-49-25	82-23-15 82-19-48 82-25-07 82-11-59 82-11-24 82-33-46	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		6 118 176 216	14 128 193	59 135 196	90 138 205	97 156 213
2.1	BAKER COUNTY (all eligibles)	POOLED	30-17-00 30-29-00	82-20-00 82-20-00 82-10-00	10 10	1	173				
	Baker County (SLERS 3rd Party)		30-18-26	82-07-48	Note-1	1	195				
	BAY COUNTY (all eligibles)	POOLED	30-04-00	85-28-00 85-28-00 85-48-00	15		30 184 204 222	22 44 196 214 224	48 198 216		202
	BRADFORD COUNTY (all eligibles)		30-03-00 29-51-00	82-17-00 82-08-00 82-08-00	8 8	1					
5.5		LICENSED		80-49-00 80-44-10 80-52-10 80-46-56		14	17 63 179		42 133 206		57 164
5.6	Brevard County (South Simulcast)	LICENSED	27-53-25	80-40-13 80-32-10 80-40-05	Note-1		78 120 162	13 86 122 194	31 100 136 196	40 104 138 198	160 216
5.7	Brevard County (Beach Simulcast)		28-09-25	80-36-57 80-35-52	Note-1	12	2 98 203		66 157	82 181	84
5.8	City of Cocoa Beach	DEDICATED				4	55		131		

# Table IV – FLORIDA-Region 9 CHANNEL ALLOTMENTS BY JURISDICTION

JURIS NO.	S. JURISDICTION NAME	ALLOTMENT TYPE		CATIONS LONGITUDE	PSAC RADIUS (mi)	NO. OF CHANNELS	FCC	CHANN	EL NU	MBERS	5
6.3	Broward County School Board	LICENSED	26-09-15 26-09-00 25-58-48 26-03-56 26-05-48 26-10-32	80-20-19 80-20-44 80-10-37 80-11-16 80-11-47 80-20-18 80-06-26 80-05-52 80-11-45	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	7	14 166	52 212	78	130	156
6.4	Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale-by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors)	LICENSED		80-09-34 80-09-25 80-09-41	Note-1	26	16 70 124 158 196 224	18 90 140 174 198	20 92 142 176 214	32 96 144 178 216	50 122 154 194 218
6.5	City of Hollywood Police Department	LICENSED		80-10-30 80-13-34		9	6 82	26 102	44 168	54 208	64
6.7		LICENSED	26-14-54	80-15-54 80-15-54 80-11-54 80-11-53	Note-1 Note-1	7	3 201	23 221	41	99	117
6.9	City of Ft. Lauderdale (secondary (portable talk-around)	LICENSED	26-04-57 26-08-06 26-11-54 26-14-39	80-12-07 80-10-04 80-13-07 80-12-05 80-10-02 80-07-28	Note-1 Note-1 Note-1 Note-1	7	85 171	93 197	95	97	121
7.1	CALHOUN COUNTY (all eligibles)	POOLED	30-34-00 30-20-00	85-18-00 85-02-00 85-06-00 85-18-00	10 10 10 10	3	14	192	212		
8.2	Charlotte County	LICENSED	26-56-42	82-18-38 82-01-25 82-10-49 81-45-10 82-04-35	Note-1 Note-1 Note-1	13	9 62 203	13 78 219	20 80 223	24 100	42 183
9.1	CITRUS COUNTY (all eligibles)	POOLED		82-35-00 82-25-00	14 14	10	61 121	79 137	99 141	103 159	117 179
10.1	CLAY COUNTY (all eligibles)	POOLED	30-06-00 30-06-00 29-55-00	81-58-30 81-55-00 81-47-00 81-43-00	10	9		54 178	92 211	116 224	140
		LICENSED	29-45-35	81-58-56	Note-1		25	43			
10.3	Camp Blanding PD	LICENSED	29-49-11 29-56-31	82-00-51 81-59-27	Note-1 Note-1	8	12 170	20 172	66 198	101	121
	COLLIER COUNTY County-wide (all eligibles)	POOLED	26-14-00 26-24-00 26-01-00 25-57-00 26-07-00 25-56-00 26-07-00	81-40-30 81-25-00 81-39-00 81-30-00 81-16-00 81-15-00 81-01-00 81-00-00	12 12 12 12 12 12 12 12 12 12	5	29	140	158	178	198
11.2	COLLIER COUNTY West of SR 29 (all eligibles)	POOLED	26-24-00 26-10-00 26-01-00	81-41-00 81-25-00 81-28-00 81-39-00 81-30-00	12 12		6 87 145		44 118	64 125	82 138

JURIS. NO. JURISDICTION NAME	TYPE	LATITUDE	CATIONS LONGITUDE	(mi)						5
11.3 COLLIER COUNTY	APPLIED		81-20-57		4	6	82		196	
12.1 COLUMBIA COUNTY (all eligibles)	POOLED	30-10-00 30-11-00 30-23-00	82-40-00 82-41-00 82-34-00 82-34-00 82-36-00	10		3 162	23 170			126
13.2 Miami-Dade County (County-wide)	LICENSED	25-55-05 25-31-11 25-37-01 25-42-45	80-11-49 80-09-12 80-28-31 80-24-01 80-20-10 80-18-41	Note-1 Note-1 Note-1 Note-1	6	56 210	94	128	132	170
13.3 Miami-Dade County (West)	LICENSED		80-47-49						170	
13.4 Miami-Dade County	LICENSED	25-46-30 25-56-05 25-31-11 25-37-01 25-42-45 25-47-45 25-50-17	80-11-49 80-09-12 80-28-31 80-24-01 80-20-10 80-16-38 80-18-41	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	46	2 24 46 68	4 28 48 80 104 126 146 180	8 30 58 84 106 132 160 182	10 40 62 86 108 134 162	22 42 66 98 116 136 164 192
13.7 City of Coral Gables	LICENSED	25-39-46 25-39-46 25-42-20 25-44-44 25-44-44	80-16-58 80-16-58 80-15-11 80-15-34 80-15-34	Note-1 Note-1 Note-1 Note-1	10		17 157			123 215
13.8 City of Hialeah	LICENSED	25-52-20 25-49-36 25-52-29	80-15-57 80-16-49 80-19-45	Note-1 Note-1 Note-1		120	19 141			91 217
13.11 Dade County (secondary) (portable talk-around)	LICENSED	25-58-30 25-25-35	80-14-00 80-28-50	Note-1 Note-1	4	32	70			
14.1 DESOTO COUNTY (all eligibles)	POOLED	27-11-00 27-11-00	81-54-00 81-43-00	14 14	6	6 216	26	96		196
14.2 Desoto County	APPLIED	27-14-30	81-51-39	Note-1	6	6 216	26	96	176	
15.1 DIXIE COUNTY (all eligibles)	POOLED	29-46-00 29-30-00	83-06-00 83-06-00 83-14-00			121				
16.1 DUVAL COUNTY (all eligibles)	POOLED	30-25-00 30-28-00 30-14-00 30-15-00	81-53-00 81-43-00 81-31-00 81-38-00 81-29-00	10 10 10 10 10	39	2 27 47 65 98 127 158 204	49 78 102 130 165 206	51 84 104 132 171 217	219	136 199
16.2 City of Jacksonville Beach	LICENSED	30-17-06	81-24-19	Note-1	5	58	89	120	192	
16.3 Jacksonville Port Authority							27	51	84	102
17.1 ESCAMBIA COUNTY (all eligibles)	POOLED	30-54-00 30-36-00	87-28-00 87-20-00 87-18-00 87-20-00	15 15 15	32	12 28 52 196 212 222	198 214 224	22 32 180 200 216	218	204 220

JURIS. NO. JURISDICTION NAME	ALLOTMENT TYPE		CATIONS LONGITUDE	PSAC RADIUS (mi)	NO. OF CHANNELS	FCC	CHANN	EL NU	MBERS	3
18.2 Flagler County	DEDICATED	29-28-04 29-20-40 29-36-09	81-19-01 81-08-36 81-18-35 81-14-45 81-15-30	Note-1 Note-1 Note-1	8	21 180	104 200		142	160
18.3 City of Palm Coast	LICENSED	29-33-17	81-11-44	Note-1	4	59	97	135	193	
	LICENSED	29-39-10 29-37-21 29-27-37 29-15-42 29-16-04 29-21-11	81-13-14 81-19-15 81-31-23 81-29-54 81-24-50 81-08-57 81-09-15 81-07-01	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	10	9 32	11 49	13 66	15 70	29 78
19.1 FRANKLIN COUNTY (all eligibles)	POOLED	29-54-00	85-02-00 84-52-00 84-30-00	15 15 15	2	46	104			
19.2 Franklin County (SLERS 3rd Party)	LICENSED		84-52-19 84-39-11		1	84				
	APPLIED	$\begin{array}{c} 29 - 46 - 33\\ 29 - 54 - 08\\ 30 - 00 - 50\\ 30 - 00 - 43\\ 30 - 00 - 42\\ 30 - 00 - 40\\ 29 - 59 - 33\\ 29 - 56 - 50\end{array}$	$\begin{array}{c} 85-13-25\\ 85-06-39\\ 85-03-12\\ 85-00-24\\ 84-51-48\\ 84-42-20\\ 84-32-42\\ 84-32-42\\ 84-27-40\\ 84-20-31\\ \end{array}$	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	1	104				
20.1 GADSDEN COUNTY (all eligibles)	POOLED	30-38-00 30-34-00	84-46-00 84-40-00 84-26-00		10	3 183	5 201	23 203		45 223
21.1 GILCHRIST COUNTY (all eligibles)	POOLED	29-50-00 29-40-00	82-50-00 82-44-00 82-52-00 82-42-00	10 10 10 10	1	124				
22.1 GLADES COUNTY (all eligibles)	POOLED	26-53-00 26-53-00	81-26-00 81-11-00 81-04-00 81-04-00	12 12 12 12 12	2	139	159			
22.2 Glades County (SLERS 3rd Party)	LICENSED		81-31-48 81-07-01		2	56	154			
22.3 Glades County Fire (secondary) (portable talk-around)	LICENSED	26-57-34 26-46-05 26-46-08 26-46-14 26-51-44 27-07-23 27-12-33 27-12-39 27-09-12 27-09-12 27-01-58	81-19-42 80-53-11 81-14-35 80-56-42 81-33-59 81-33-51 81-16-12 81-10-09 80-56-32 80-52-22 81-33-49	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		141	174			
22.4 Seminole Tribe (SLERS 3rd party)	APPLIED	27-03-17	81-04-18	Note-1	2	139				
	POOLED	30-06-00	85-14-00 85-12-00	15						156
24.1 HAMILTON COUNTY (all eligibles)			83-08-00 82-46-00			7 66	9	11	27	31

	ALLOTMENT TYPE	LATITUDE	LONGITUDE	(mi)	CHANNELS				MBERS	3
25.1 HARDEE COUNTY	POOLED	27-29-00 27-29-00	81-54-00 81-43-00	14 14	3	51	89	165		
25.2 Hardee County	LICENSED	27-28-48	81-47-57	Note-1	5	31	83	133	167	21
26.1 HENDRY COUNTY (all eligibles)	POOLED	26-38-00 26-38-00 26-23-00 26-23-00 26-23-00	81-26-00 81-11-00 81-01-00 81-09-00 81-01-00	12 12 12 12 12	9	15	17	53 171	91	
(SLERS 3rd Party)	APPLIED	26-42-29 26-39-56	81-33-34 80-38-38	Note-1 Note-1						
26.3 Seminole Tribe (SLERS 3rd party)	APPLIED	26-18-18	80-57-35	Note-1	5	49	85	127	160	193
27.1 HERNANDO COUNTY (all eligibles)	POOLED	28-34-00 28-33-00	82-31-00 82-15-00	12 12	7	13 205	22 218	89	156	165
27.2 Hernando County (Jail)	APPLIED	28-29-01	82-27-05	Note-1	2	10	30			
28.1 HIGHLANDS COUNTY (all eligibles)	POOLED	27-32-00 27-31-00 27-21-00 27-18-00 27-08-00 27-10-00	81-26-00 81-17-00 81-27-00 81-10-00 81-27-00 81-19-00	10						107
28.2 Highlands County Sheriff	LICENSED	27-29-40 27-33-41 27-13-31 27-17-44 27-04-32	81-25-11 81-30-54 81-05-47 81-22-03 81-23-29	Note-1 Note-1 Note-1 Note-1	8	18 125		49 180	87	107
29.2 Hillsborough County Sheriff	LICENSED	$\begin{array}{c} 27-55-05\\ 28-00-50\\ 27-59-07\\ 27-47-46\\ 27-42-24\\ 27-50-58\\ 27-50-58\\ 27-42-53\\ 28-02-49\\ 28-00-09\\ 28-00-08\\ 28-04-31\\ 28-01-42\\ 28-06-24\\ 27-56-17\\ 28-06-50\\ 27-56-17\\ 27-57-39\\ \end{array}$	$\begin{array}{c} 82-22-02\\ 82-18-02\\ 82-10-26\\ 82-21-09\\ 82-10-27\\ 82-10-27\\ 82-10-27\\ 82-23-19\\ 82-11-13\\ 82-25-43\\ 82-25-43\\ 82-25-43\\ 82-34-14\\ 82-30-34\\ 82-23-28\\ 82-27-33\\ 82-18-02\\ 82-27-33\\ 82-30-02\\ \end{array}$	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		32 61	63 117	17 53 78 125 159 179 208	19 55 80 128 161 193 210	29 57 100 131 171 197 217
29.4 City of Tampa	POOLED	28-00-08 28-06-23 27-53-34	82-25-43 82-23-29 82-30-10 82-28-47	12 12 12		51	84	90	212	214
30.1 HOLMES COUNTY (all eligibles)	POOLED	30-56-00 30-48-00 30-46-00	85-36-00 85-42-00 85-56-00	10 10 10	2	15	223			
	LICENSED	27-36-22 27-47-16 27-37-33 27-44-31	80-28-35 80-27-55 80-23-39 80-39-23	Note-1 Note-1 Note-1 Note-1		46 93 142 207	48 106 169 209	51 108 178 218	62 127 183	88 131 192

JURIS. NO. JURISDICTION NAME	ALLOTMENT TYPE		CATIONS LONGITUDE		NO. OF CHANNELS	FCC	CHANN	EL NU	MBERS	3
32.1 JACKSON COUNTY (all eligibles)	POOLED	30-54-00 30-54-00 30-40-00 30-42-00	85-05-00 85-18-00	15 15 15 15 15	9	18 178	20 206	32 208	40 210	158
33.1 JEFFERSON COUNTY (all eligibles)	POOLED	30-36-00 30-22-00 30-14-00	83-58-00	15 15 15	2	8	219			
34.1 LAFAYETTE COUNTY (all eligibles)	POOLED		83-18-00 83-14-00 82-58-00	10 10 10 10	1	100				
35.2 Lake County (North)	LICENSED	28-58-48 28-56-06 28-53-30 28-49-34 28-49-34 28-48-30 28-48-19	81-33-02 81-32-14 81-27-19 81-38-07 81-55-01 81-30-35 81-46-54 81-53-10 81-44-06 81-37-27	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	8	5 155	14 195	25 210	47	119
35.3 Lake County (Central)	LICENSED	28-43-47 28-39-58 28-36-42	81-55-41 81-43-38 81-45-47 81-44-13 81-43-08	Note-1 Note-1 Note-1	6	20 194	58	96	134	184
35.4 Lake County (South)	LICENSED	28-28-06	81-52-57 81-42-58 81-41-07	Note-1	6	17 223	55	91	129	209
35.5 Lake County (Villages)	LICENSED	28-52-30	81-59-50	Note-1	10	11 125	29 162	51 175	69 201	
36.1 LEE COUNTY (all eligibles)	POOLED			13 13 13 13 13	2	105	135			
-	LICENSED	26-36-26 26-27-58 26-19-31 26-29-18 26-35-30 26-42-54 26-41-31 26-42-20 26-26-13 26-28-28 26-44-59	$\begin{array}{c} 81-48-36\\ 81-38-25\\ 81-46-53\\ 81-46-20\\ 81-55-44\\ 82-01-00\\ 82-02-15\\ 81-52-55\\ 81-42-02\\ 82-04-58\\ 82-09-30\\ 82-15-39\\ \end{array}$	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		201	11 85 161 213	221	181	193
(all eligibles)	POOLED	30-22-00 30-34-00 30-24-00	84-32-00 84-10-00 84-10-00	15 15 15	32	17 41 55 120 161 197 213	43 61 123 165 199 215	21 49 63 140 171 205	27 51 69 143 181 207	30 53 98 146 193 211
37.2 State Legislature Sgt at Arms										

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JURIS. NO. JURISDICTION NAME	ALLOTMENT TYPE	LATITUDE	CATIONS LONGITUDE	(mi)		FCC	C HANN	iel nu	IMBERS	5
	LICENSED	30-40-59 30-40-20 30-31-26 30-16-34 30-18-15 30-16-37 30-19-52	$\begin{array}{c} 84-17-28\\ 84-00-35\\ 83-58-25\\ 84-04-37\\ 84-42-37\\ 84-14-27\\ 84-14-27\\ 84-42-38\\ 84-24-13\\ \end{array}$	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	2	12	15			
37.4 City of Tallahassee	DEDICATED	30-25-50	84-16-16	Note-1	4	78	134	173	217	
38.1 LEVY COUNTY (all eligibles)	POOLED	29-26-00 29-21-00 29-11-00	82-58-00 82-49-00 82-35-00 82-42-00	14 14	6		24	65	101	154
38.2 Levy County (SLERS 3rd Party)	LICENSED	29-33-49	82-55-20 82-32-40	Note-1	2	24	163			
38.3 Levy County (secondary) (portable talk-around)	APPLIED	29-25-05 29-35-25 29-33-52 29-29-05 29-12-58 29-01-13	83-09-21 83-01-32 82-56-07 82-39-25 82-24-26 82-24-13 82-32-08 82-45-23	Note-1 Note-1 Note-1 Note-1 Note-1	1	65				
39.1 LIBERTY COUNTY (all eligibles)	POOLED	30-18-00 30-06-00 30-05-00	84-55-00 84-46-00 85-01-00 84-45-00	10 10 10	2	59	82			
40.1 MADISON COUNTY (all eligibles)	POOLED	30-24-00 30-34-00 30-24-00	83-38-00 83-28-00 83-20-00	15 15 15	6	2 224	4	24	59	202
41.2 Manatee County	LICENSED	27-21-11	82-10-03 82-07-36	Note-1				222		102
42.2 Marion County	DEDICATED	29-08-00 29-08-00	82-13-00 82-18-00 81-49-00 81-53-00		4					
42.3 Marion County	APPLIED	29-08-39 29-12-01 29-16-51 29-23-08 29-24-33 29-10-40 29-11-21 29-22-02	$\begin{array}{c} 82-29-09\\ 82-20-25\\ 81-54-37\\ 81-50-00\\ 81-46-23\\ 81-58-09\\ 82-15-12\\ 82-09-45\\ 81-52-51\\ 81-57-54\\ \end{array}$	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	16	85	19 93 133	44 95 143		67 123 203
43.2 Martin County (Counties & Cities)	LICENSED	27-10-22 27-07-53 27-01-38	80-14-29 80-13-31 80-32-24 80-10-42	Note-1 Note-1 Note-1				60	32 70 165	89
43.3 Martin County (secondary) (portable talk-around)	DEDICATED	27-12-20 27-12-19 27-15-45 27-18-45 26-58-18 26-57-32 26-57-25 27-02-26	80-24-46 80-17-21 80-16-54 80-12-05 80-05-28 80-20-07 80-36-42 80-38-25	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		221	126	160	184	217

NO. JURISDICTION NAME	ALLOTMENT TYPE	LATITUDE	CATIONS LONGITUDE	PSAC RADIUS (mi)	NO. OF CHANNELS	FCC	CHANN	EL NU	MBERS	1
44.2 Monroe County (Keys only)		25-10-01 24-58-46 24-49-18 24-42-44 24-39-04 24-34-29 24-33-17 24-53-42	80-22-29 80-33-03 80-49-07 81-05-55 81-18-35 81-45-08 81-48-14 80-39-50 81-32-17	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		26 78 92 104 130 166 180	13 32 96 120 140 167 197 208	60 88 98 121 142 174 198 210	64 89 101 122 144 176 204	124 145 178 206 218
45.1 NASSAU COUNTY (all eligibles)	POOLED	30-42-00 30-35-00 30-39-00	82-01-00 81-55-00 81-51-00 81-41-00 81-32-00	10 10		108 183	138			
46.1 OKALOOSA COUNTY (all eligibles)	POOLED	30-42-00 30-26-00	86-36-00 86-44-00 86-38-00 86-26-00	15 15		50 162 192		174 208	178 210	182
46.2 Okaloosa County (SLERS 3rd Party)	LICENSED	30-25-26 30-43-57	86-26-35 86-40-00 86-36-06 86-31-33	Note-1 Note-1						
46.3 Okaloosa County (secondary) (portable talk-around)	APPLIED	30-35-00 30-46-38 30-59-49 30-59-39 30-46-22 30-34-26	86-48-01 86-47-45 86-47-27 86-47-09 86-23-20 86-23-28 86-23-33 86-23-50	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	1	42				
47.1 OKEECHOBEE COUNTY (all eligibles)	POOLED	27-31-00 27-25-00 27-25-00 27-14-00	81-03-00 80-53-00 80-49-00 81-01-00 80-49-00	12 12 12 12		67 223	81	99	117	137
47.2 Okeechobee County (secondary) (portable talk-around)	APPLIED	27-38-39 27-38-31 27-38-27 27-33-42 27-33-30 27-22-02 27-08-20 27-09-13 27-14-14 27-22-59 27-38-39	81-08-19 80-58-05 80-46-47 80-40-24 80-40-36 80-40-36 80-52-35 80-58-36 81-06-29 81-08-19	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	8		12 199		64	102
47.3 Okeechobee Co (SLERS 3rd party)					6	67 223	81	99	117	137

JURIS. NO. JURISDICTION NAME	ALLOTMENT TYPE	LATITUDE	CATIONS LONGITUDE	(mi)			CHANN	IEL NU	MBERS	
	LICENSED	$\begin{array}{c} 28-32-28\\ 28-35-38\\ 28-28-41\\ 28-41-59\\ 28-36-33\\ 28-27-03\\ 28-29-51\\ 28-23-06\\ 28-30-24\\ 28-21-58\\ 28-32-54\\ 28-32-54\\ 28-32-54\\ 28-32-538\\ 28-33-37\end{array}$	81-23-05 81-18-06 81-12-30 81-27-12 81-26-30 80-59-58 81-37-06 81-24-53 81-23-11 81-22-39 81-30-52 81-33-19 81-27-38 81-06-35	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	45	3 30 51 68 87 108 137 172 198	52 70 88 116 141 174 202	78 89 117 146 178 217	63 79 99 121 159 179 218	23 50 65 83 103 126 161 197 221
48.3 Orange County Zellwood Site	LICENSED	28-43-49 28-46-12	81-36-22 81-37-05	Note-1 Note-1	6	16 206	86		157	181
48.4 Orange County Winter Garden Site and UCF Site	LICENSED		81-34-57 81-12-05			199	200	41 156		79 182
48.5 City of Winter Park	LICENSED	28-36-04	81-21-16					48		211
48.6 Greater Orl. Public Safety Coop (Orlando + G.O.A.A.)		28-32-28 28-30-06 28-36-33 28-25-48	81-23-05 81-26-53 81-27-12 81-18-24 81-17-58	Note-1		154	168 224	170	43 92 130 176	46 94 132
48.7 Reedy Creek Improvement Dist.		28-23-40 28-20-54	81-38-07 81-38-36 81-38-29	Note-1 Note-1	1	16				
48.8 University of Central Florida	POOLED	28-35-28	81-12-16	10						
49.1 OSCEOLA COUNTY (all eligibles)	POOLED	28-16-00 28-13-00 28-04-00 27-47-00	81-25-00 81-02-00 81-02-00 81-01-00 81-18-00	13 13 13	2					
50.2 Palm Beach County	LICENSED	$\begin{array}{c} 26-48-33\\ 26-38-47\\ 26-32-28\\ 26-22-08\\ 26-22-08\\ 26-39-25\\ 26-44-59\\ 26-27-16\\ 26-41-03\\ 26-50-04\\ 26-42-56\\ 26-43-24\\ 26-42-56\end{array}$	80-09-28 80-02-07 80-10-22 80-04-18 80-10-11 80-38-37 80-04-03 80-05-29 80-23-22 80-38-28 80-03-11 80-39-50 80-03-11	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		45 83	101 134	15 57 103 139 209	25 63 105 169 219	27 65 107 181
50.4 Palm Beach Co School Board	LICENSED	26-35-21 26-42-09 26-46-10	80-12-43 80-41-00 80-05-51	Note-1 Note-1 Note-1		11	87			
50.5 Palm Beach Co Solid Waste Auth	LICENSED	26-34-37	80-14-32	Note-1	3	55	137	183		
50.6 City of Palm Beach Gardens		26-49-54 26-50-18 26-47-41 26-37-16 26-48-36 26-47-41	80-06-13 80-08-06 80-11-57 80-02-17 80-16-20 80-11-57	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	3					

JURIS. NO. JURISDICTION NAME	ALLOTMENT TYPE	LATITUDE	LONGITUDE	(mi)	CHANNELS				IMBERS	;
50.7 Tri-City Area (Boca Raton, Boynton Beach, and Delray Beach)	LICENSED		80-04-34		7	29 163	43 205	59	81	127
50.8 SPBCPSCC (Boca Raton, Boynton Beach, and Delray Beach)	LICENSED	26-27-36	80-04-33	Note-1	7	29			81	127
50.9 Palm Beach Co. (Jails & Crthse.)	LICENSED	26-43-30 26-41-03 26-43-00	80-05-28 80-39-54 80-11-35 80-03-20	Note-1 Note-1 Note-1					213	
50.10 Palm Beach Co. (secondary) (portable talk-around)	LICENSED	$\begin{array}{c} 26-57-14\\ 26-57-31\\ 26-57-31\\ 26-48-01\\ 26-45-02\\ 26-32-16\\ 26-20-10\\ 26-20-10\\ 26-20-10\\ 26-20-10\\ 26-19-31 \end{array}$	80-05-30 80-21-08 80-37-04 80-41-01 80-53-09 80-52-51 80-52-51 80-36-55 80-20-59 80-05-21	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1					61 219	69
50.11 Palm Beach Co IR Site	LICENSED	26-35-35		Note-1		199	223		179	192
50.12 Ocean Ridge	LICENSED	26-31-46	80-02-54	Note-1		4				
50.13 Juno Beach	LICENSED	26-51-28	80-03-27	Note-1	1	13				
50.14 Palm Beach Co Fire	APPLIED		80-03-11	Note-1	1	139				
51.1 PASCO COUNTY (all eligibles)	POOLED	28-18-00 28-18-00	82-41-00 82-26-00 82-10-00	12 12 12	8	49 133	67 169	93 222	95	102
52.3 Pinellas County	LICENSED	27-52-05 28-06-46 28-01-55 27-46-24 27-45-27 27-53-07 28-09-12 27-57-43 28-09-12 27-38-21 27-38-21 27-58-26 27-58-26 27-58-26 27-58-26 27-58-26 27-53-07 27-53-07 27-46-24 27-46-24 27-52-04 28-06-46 28-06-46	$\begin{array}{c} 82 - 39 - 21\\ 82 - 45 - 58\\ 82 - 42 - 15\\ 82 - 39 - 10\\ 82 - 44 - 25\\ 82 - 48 - 07\\ 82 - 40 - 12\\ 82 - 40 -$	Note-1 Note-1	28	6 40 82 140 164	12 44 87 142 167 220	15 46 98 144 181	23 65 104 154 184	26 69 121 157 201

JURIS. NO. JURISDICTION NAME	ALLOTMENT TYPE		CATIONS LONGITUDE	(mi)	CHANNELS			EL NU	MBERS	5
	LICENSED	$\begin{array}{c} 28-02-55\\ 28-00-34\\ 28-01-24\\ 28-11-46\\ 27-52-47\\ 27-47-13\\ 27-44-55\\ 27-45-24\\ 28-15-15\\ 28-22-09\\ 27-54-36\\ 28-09-48\\ \end{array}$	81-56-31 81-35-58 81-43-48 81-47-11 81-48-58 81-19-40 81-53-32 81-34-09 81-39-17 81-41-07 81-59-32 82-00-50	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	24	5 27 97 139 183	7 45 105 143 195	215	219	25 85 135 177
53.3 Polk County IR site	DEDICATED	27-47-13	81-19-40	Note-1	8	2 193	53 207	90 220	127	171
	DEDICATED	28-02-56 27-56-29 28-07-44 28-02-33	81-56-30 81-54-51 81-56-35 81-57-08	Note-1 Note-1 Note-1 Note-1						
54.1 PUTNAM COUNTY (all eligibles)	POOLED	29-40-00 29-42-00		12 12	9	3 83	23 88	41 126	52 164	61
54.2 PUTNAM COUNTY (3rd Party SLERS)	LICENSED		81-53-14 81-34-41							
	LICENSED	30-03-03 29-51-54 30-11-29 29-54-21 30-04-11 29-39-48 29-41-05 30-11-30 29-54-20 30-05-00 29-52-25 30-03-35 29-54-36 29-45-49 29-47-6	81-30-33 81-17-34 81-22-57 81-24-53 81-29-17 81-38-49 81-26-50 81-17-1 81-22-56 81-24-52 81-37-51 81-19-7 81-32-04 81-30-59 81-27-40 81-25-26	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	15	18 106 174	56 124 182	68 144 202	86 162 208	94 168 222
55.3 Florida School for Deaf & Blind	APPLIED	29-54-49	81-19-02	Note-1	1					
56.2 St. Lucie County	LICENSED	27-22-56 27-18-14	80-24-32 80-23-22 80-16-47	Note-1 Note-1		97 140 171 214	121 155 173	129 158 175	133 163 205	135 167 211
57.1 SANTA ROSA COUNTY (all eligibles)	POOLED	30-24-00 30-37-00 30-50-00 30-49-00	87-00-00 87-00-00 86-56-00 87-08-00	15 15 15 15	9	54 144	56 146	78 168	80 170	126
58.2 Sarasota County	LICENSED	27-21-00 27-21-00 27-17-09 27-17-09 27-125 27-04-51 27-04-51 26-57-09 27-04-32 27-17-17	$\begin{array}{c} 82 - 32 - 10\\ 82 - 32 - 10\\ 82 - 30 - 12\\ 82 - 30 - 12\\ 82 - 28 - 45\\ 82 - 23 - 55\\ 82 - 23 - 55\\ 82 - 23 - 55\\ 82 - 21 - 11\\ 82 - 13 - 41\\ 82 - 21 - 31\end{array}$	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	54	2 30 54 68 88 108 126 142 162 180 207	4 58 70 93 116 130 154 169 192 209	16 48 60 82 98 118 134 156 170 198 212	136 157 172 200 214	28 52 66 86 106 124 140 160 174 205

JURIS. NO. JURISDICTION NAME	ALLOTMENT TYPE		CATIONS LONGITUDE		NO. OF CHANNELS	FCC	CHANN	IEL NU	MBERS	3
58.3 Sarasota County (seconda (portable talk-around)	ary) LICENSED	27-23-38 27-12-38 27-12-38 27-02-38	82-33-00 82-14-30 82-14-30 82-03-30 82-03-30 82-03-30 82-14-30	Note-1 Note-1 Note-1 Note-1	5	2	4	18	28	120
59.2 Seminole County	LICENSED		81-18-04							
60.2 SUMTER COUNTY	LICENSED	28-40-27 28-33-49 28-51-17 28-45-50 28-52-11 28-32-23	82-08-53 82-01-27 82-10-53 82-03-36 81-59-35 82-04-48	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		2	31	40 192	64 198	82
61.1 SUWANNEE COUNTY (all eligibles)	POOLED	30-18-00 30-04-00 30-10-00	83-00-00 82-50-00 83-06-00	15 15 15	5	43	63	81	105	143
62.1 TAYLOR COUNTY (all eligibles)	POOLED	30-08-00 30-12-00 29-50-00	83-48-00 83-30-00 83-28-00	15 15 15	4					
62.2 Taylor County (SLERS 3rd	d party) APPLIED		83-36-44		2					
62.3 Taylor County (secondary (portable talk-around)		30-14-42 30-18-13 30-18-12 30-18-12 30-15-37 30-04-04 29-53-20 29-49-21	83-59-21 83-54-56 83-49-12 83-28-08 83-22-02 83-22-09 83-21-30 83-19-08 83-22-00	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	1	13				
63.1 UNION COUNTY (all eligibles)	POOLED	30-04-00	82-28-00 82-16-00	8		209				
64.1 VOLUSIA COUNTY (all eligibles)	FOOLED	29-15-00 29-09-00 29-17-00 29-02-00 28-55-00 28-48-00	81-25-00 81-17-00 81-03-00 81-01-00 81-16-00 81-00-00 80-49-00		5	91	129	139	167	215
64.2 City of Daytona Beach			81-09-28			102 217	120	157	177	197
65.1 WAKULLA COUNTY (all eligibles)	POOLED	30-12-00 30-12-00 30-08-00	84-14-00 84-26-00	15 15 15	2	158	178			
66.1 WALTON COUNTY (all eligibles)	POOLED	30-54-00 30-34-00 30-26-00	86-12-00 86-18-00 86-06-00 85-58-00	15 15 15	10	52	64	79	99	117
66.2 Walton County (SLERS 3rd Party)	LICENSED	30-34-07 30-23-15 30-21-14 30-32-41 30-43-51	85-48-28 86-13-50 86-06-44 86-06-48 86-21-53	Note-1 Note-1 Note-1 Note-1 Note-1		131 194	145	156	169	189

JURIS. NO. JURISDICTION NAME	ALLOTMENT TYPE		LONGITUDE		CHANNELS	FCC	CHANN	EL NUMBERS
66.3 Walton County (secondary) (portable talk-around)	APPLIED	30-34-26 30-46-22 30-59-39 30-59-35 30-42-11 30-28-59 30-16-17	86-23-50 86-23-33 86-23-28 86-23-20 86-02-07 85-50-43 85-52-21 85-59-45	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1		156		
67.1 WASHINGTON COUNTY (all eligibles)	POOLED	30-42-00 30-34-00 30-30-00	85-38-00 85-36-00 85-48-00	15 15 15	3	54	81	173
68.1 FL DEPT OF CORRECTIONS Apalachee Correctional	LICENSED		84-53-02		2	18	137	
	LICENSED	30-24-35	85-03-41	Note-1	2	16	129	
	LICENSED		87-17-30	Note-1	2	20	96	
	LICENSED	30-42-13				130		
	LICENSED	30-10-43		Note-1	3	70	143	154
58.6 FL DEPT OF CORRECTIONS Holmes Correctional	LICENSED		85-45-32		2			
58.7 FL DEPT OF CORRECTIONS Jackson Correctional	LICENSED		85-10-07	Note-1		193	215	
58.8 FL DEPT OF CORRECTIONS Jefferson Correctional	LICENSED	30-30-26	83-48-19					
	LICENSED	30-21-05	84-51-45	Note-1	3	57	82	168
58.10 FL DEPT OF CORRECTIONS Okaloosa Correctional	LICENSED	30-42-40	86-32-30	Note-1	2	60	213	
	LICENSED	30-42-13	84-49-56	Note-1	1	155		
8.12 FL DEPT OF CORRECTIONS Walton Correctional	LICENSED		86-06-11	Note-1	2	101	106	
58.13 FL DEPT OF CORRECTIONS Baker Correctional	LICENSED	30-12-55 30-13-43	82-19-33	Note-1				
58.14 FL DEPT OF CORRECTIONS Columbia Correctional	LICENSED	30-11-24	82-30-35	Note-1	2	5	201	
58.15 FL DEPT OF CORRECTIONS Cross City Correctional	LICENSED	29-38-04	83-05-51	Note-1	3	19	52	202
8.16 FL DEPT OF CORRECTIONS Florida Correctional	LICENSED	29-18-41	82-12-01	Note-1	3	53	140	173
8.17 FL DEPT OF CORRECTIONS Florida State Prison	LICENSED	30-03-19	82-11-02	Note-1	2	69	223	
	LICENSED	30-30-00	82-57-00	Note-1	3	27	133	136
	LICENSED	29-36-48	82-51-49	Note-1	2	22	54	

JURIS NO.	JURISDICTION NAME	ALLOTMENT TYPE	LATITUDE	CATIONS LONGITUDE	(mi)	CHANNELS		CHANN	EL NUMBERS
	FL DEPT OF CORRECTIONS Lawtey Correctional	LICENSED		82-04-16			125	145	
	FL DEPT OF CORRECTIONS Madison Correctional	LICENSED	30-26-32	83-25-26	Note-1	2	202	224	
68.22	FL DEPT OF CORRECTIONS Marion Correctional	LICENSED		82-10-44 82-11-33			21	22	120
68.23	FL DEPT OF CORRECTIONS Mayo Correctional	LICENSED	30-07-58	83-18-18	Note-1	3	48	68	117
68.24	FL DEPT OF CORRECTIONS New River Correctional	LICENSED	30-02-14	82-11-02 82-06-18 82-11-05	Note-1	3	4	18	157
68.25	FL DEPT OF CORRECTIONS N.Fla Reception Center	LICENSED	29-59-30	82-22-00	Note-1	2	86	207	
	FL DEPT OF CORRECTIONS Putnam Correctional	LICENSED	29-38-43	81-35-38	Note-1	1	177		
	FL DEPT OF CORRECTIONS Tomoka Correctional	LICENSED	29-09-09	81-09-38	Note-1	1	31		
	Union Correctional	LICENSED		82-11-36 82-11-02			4	137	
68.29	FL DEPT OF CORRECTIONS Brevard Correctional	LICENSED	28-26-39	80-46-47	Note-1	1	7		
	FL DEPT OF CORRECTIONS C. Fla Reception Center	LICENSED	28-27-45	81-09-15	Note-1	2	119	180	
68.31		LICENSED	28-37-20	81-45-50	Note-1	1	42		
68.32	FL DEPT OF CORRECTIONS Sumter Correctional	LICENSED	28-36-50	82-12-56	Note-1	2	9	107	
68.33	FL DEPT OF CORRECTIONS Avon Park Correctional	LICENSED	27-39-32	81-26-46	Note-1	2	41	62	
68.34	FL DEPT OF CORRECTIONS Broward Correctional	LICENSED	26-01-55	80-25-08	Note-1	1	123		
68.35	FL DEPT OF CORRECTIONS Dade Correctional	LICENSED	25-24-40	80-29-47	Note-1	1	197		
	Glades Correctional	LICENSED							
	Indian River Correctional	LICENSED	27-34-16	80-29-07	Note-1	1	80		
	FL DEPT OF CORRECTIONS Martin Correctional	LICENSED	27-11-24	80-29-00	Note-1	1	200		
68.39	FL DEPT OF CORRECTIONS S. Fla Reception Center	LICENSED	25-48-00	80-25-30	Note-1	2	113		
68.40	Charlotte Correctional	LICENSED	26-48-17	81-54-16	Note-1	2	158		
68.41	DeSoto Correctional	LICENSED	27-12-29	81-40-04	Note-1	3	121	157	209
68.42	FL DEPT OF CORRECTIONS Hardee Correctional	LICENSED	27-35-27	82-01-00	Note-1	2	203	224	

	JURISDICTION NAME	ALLOTMENT TYPE		CATIONS LONGITUDE			FCC	CHANN	EL NU	MBERS	1
	FL DEPT OF CORRECTIONS Hendry Correctional	LICENSED	26-18-24	81-09-15	Note-1	2	23	41			
68.44	FL DEPT OF CORRECTIONS Hillsborough Correctional	LICENSED	27-36-31	82-13-36	Note-1	2	94	141			
	FL DEPT OF CORRECTIONS Polk Correctional	LICENSED	28-11-25	81-47-06	Note-1	2	11	180			
	FL DEPT OF CORRECTIONS Zephyrhills Correctional	LICENSED	28-11-55	82-11-47	Note-1	2	88	181			
68.47	FL DEPT OF CORRECTIONS Washington Correctional	LICENSED	30-31-10	85-39-45	Note-1	2	122	160			
	FL DEPT OF CORRECTIONS Taylor Correctional	LICENSED	30-02-22	83-42-37	Note-1	3	6	45	83		
68.49	FL DEPT OF CORRECTIONS Okeechobee Correctional	LICENSED	27-24-01	80-46-44	Note-1	3	3	30	219		
	FL DEPT OF CORRECTIONS Everglades Correctional	LICENSED	25-45-10	80-29-14	Note-1	2	96	143			
68.51	FL DEPT OF CORRECTIONS Wakulla Correctional	LICENSED	30-15-33	84-10-32	Note-1	3	32	107	163		
68.52	FL DEPT OF CORRECTIONS Santa Rosa Correctional	LICENSED	30-38-49	86-58-15	Note-1	3	103	159	170		
68.53	FL DEPT OF CORRECTIONS Quincy Correctional	LICENSED	30-33-09 30-33-03	84-35-24 84-29-7			3	183			
68.54	FL DEPT OF CORRECTIONS Hernando Correctional		28-28-59	82-27-14	Note-1	2	26	182			
68.55	FL DEPT OF CORRECTIONS Franklin Correctional	LICENSED		84-39-12 84-39-11			20	66			
	FL DEPT OF CORRECTIONS Union Correctional, RMC	LICENSED	29-59-31	82-21-59	Note-1	1	174				
	FL DEPT OF CORRECTIONS Suwannee Correctional	LICENSED	30-14-20	82-52-03	Note-1	3	17	57	87		
68.58	Sago Palms Work Camp	LICENSED	26-50-47	80-38-14	Note-1	1	29				
	FL DEPT OF CORRECTIONS Demilley Correctional										
68.60	FL DEPT OF CORRECTIONS Gainesville Correctional	LICENSED	29-40-49 29-39-22	82-15-32	Note-1 Note-1	2	8				
68.61	FL DEPT OF CORRECTIONS Big Pine Key Correctional	APPLIED	24-40-33	81-21-42	Note-1	1	17				
68.62	FL DEPT OF CORRECTIONS Levy County Correctional	APPLIED	29-20-57	82-38-13	Note-1	1	21				
	FL DEPT OF CORRECTIONS Barrydale Correctional	APPLIED	30-54-03	87-01-30	Note-1	1	68				
69.2	State of Florida	LICENSED	30-24-06 26-09-42 30-43-56 27-43-16 30-03-22 29-20-40 30-11-15 30-56-07 28-27-58	86-25-42 81-20-57 87-21-41 80-54-13 83-09-42 81-18-35 84-39-25 85-03-16 82-04-04 83-05-25	Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1 Note-1	24	7 40 64 106		16 52 85 127	29 55 90 131	35 61 95

Note-1: FCC license has been granted or applied for; coverage is dependent on actual system parameters.

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The following channels are allotted statewide for the Florida Statewide Law Enforcement Radio System (SLERS):

34	72	110	148	186	226	
35	73	111	149	187	227	
36	74	112	150	188	228	
37	75	113	151	189	229	
38	76	114	152	190	230	
37	75	113	151	189	229	9

The following channels are reserved for protection statewide (adjacent to statewide groups):

33 71 109 147 185 191 225

The following channels are available only for Mutual Aid purposes (see Section 5.3):

CHANNEL	DESIGNATION
1	Calling Channel #8CALL90
39	Tactical Channel #8TAC91
77	Tactical Channel #8TAC92
115	Tactical Channel #8TAC93
153	Tactical Channel #8TAC94

## Table V – FLORIDA-Region 9 CHANNEL ALLOTMENTS BY FREQUENCY

FCC CHAN. NO.	TRANSMIT FREQUENCY	NO.	ALLOTMENT TYPE	JURISDICTION
1				MUTUAL AID CALLING CHANNEL #8CALL90
2	851.0375/806.0375	5.7 13.4 16.1 16.3 17.1 40.1 43.2 53.3 58.2 58.3	LICENSED POOLED LICENSED POOLED POOLED LICENSED DEDICATED	Jacksonville Port Authority ESCAMBIA COUNTY (all eligibles) MADISON COUNTY (all eligibles) Martin County (Counties & Cities) Polk County IR site Sarasota County Sarasota County (secondary) (portable talk-around)
3	851.0500/806.0500	12.1 20.1 29.2 36.2 48.2 54.1 54.2 68.49 68.53	LICENSED LICENSED	COLUMBIA COUNTY (all eligibles) GADSDEN COUNTY (all eligibles) Hillsborough County Sheriff Lee County Orange County (County-wide) PUTNAM COUNTY (all eligibles) PUTNAM COUNTY (3rd Party SLERS) FL DEPT OF CORRECTIONS Okeechobee Correctional
4	851.0625/806.0625	3.1 13.4 17.1 31.2 38.1 40.1 50.12 58.2 58.3 68.24 68.28	POOLED LICENSED POOLED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	BAY COUNTY (all eligibles) Miami-Dade County ESCAMBIA COUNTY (all eligibles) Indian River County LEVY COUNTY (all eligibles) MADISON COUNTY (all eligibles) Ocean Ridge Sarasota County Sarasota County (secondary) (portable talk-around) FL DEPT OF CORRECTIONS New River Correctional FL DEPT OF CORRECTIONS Union Correctional
5	851.0750/806.0750	20.1 35.2 50.6 53.2	POOLED LICENSED	Lake County (North) City of Palm Beach Gardens Polk County
6	851.0875/806.0875	3.1 6.5 11.2 11.3 14.1 14.2 17.1 31.2 48.5 52.3 68.48	LICENSED POOLED LICENSED POOLED APPLIED POOLED APPLIED POOLED LICENSED LICENSED LICENSED LICENSED	BAY COUNTY (all eligibles) City of Hollywood Police Department COLLIER COUNTY West of SR 29 (all eligibles) COLLIER COUNTY DESOTO COUNTY (all eligibles) Desoto County ESCAMBIA COUNTY (all eligibles) Indian River County City of Winter Park Pinellas County
7	851.1000/806.1000	69.2 16.1 24.1 44.2 50.2 53.2 64.2	LICENSED POOLED POOLED LICENSED LICENSED LICENSED DEDICATED	

FCC CHAN. NO.		NO.	ALLOTMENT TYPE	JURISDICTION
8	851.1125/806.1125	3.1 13.4 17.1 33.1 48.6 68.60	LICENSED LICENSED	BAY COUNTY (all eligibles) Miami-Dade County ESCAMBIA COUNTY (all eligibles) JEFFERSON COUNTY (all eligibles) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.)
9	851.1250/806.1250	5.7 8.2 16.1 18.4 24.1 29.2 50.2	LICENSED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	Charlotte County DUVAL COUNTY (all eligibles) Flagler County (secondary) (portable talk-around) HAMILTON COUNTY (all eligibles) Hillsborough County Sheriff Palm Beach County
10	851.1375/806.1375	3.1 13.4 17.1 27.2 37.2 47.2 48.2	LICENSED POOLED LICENSED POOLED APPLIED LICENSED APPLIED LICENSED	BAY COUNTY (all eligibles) Miami-Dade County ESCAMBIA COUNTY (all eligibles) Hernando County (Jail) State Legislature- Sergeant at Arms Okeechobee County (secondary) (portable talk-around)
11	851.1500/806.1500	5.6 18.4 24.1 35.5 36.2 41.2 48.2 50.4	LICENSED LICENSED POOLED LICENSED LICENSED LICENSED	Brevard County (South Simulcast) Flagler County (secondary) (portable talk-around) HAMILTON COUNTY (all eligibles) Lake County (Villages) Lee County Manatee County Orange County (County-wide) Palm Beach Co School Board FL DEPT OF CORRECTIONS Polk Correctional
12	851.1625/806.1625	10.3 13.8 17.1 37.3 47.2 48.2	POOLED LICENSED POOLED LICENSED APPLIED LICENSED LICENSED	City of Hialeah ESCAMBIA COUNTY (all eligibles) Sergeant at Arms (secondary) (portable talk-around) Okeechobee County (secondary) (portable talk-around) Orange County (County-wide)
13	851.1750/806.1750	8.2 16.1 18.4 27.1 44.2 50.13	LICENSED POOLED LICENSED POOLED LICENSED LICENSED APPLIED	Flagler County (secondary) (portable talk-around) HERNANDO COUNTY (all eligibles) Monroe County (Keys only) Juno Beach
14	851.1875/806.1875	6.3 7.1 17.1 35.2 44.2 53.2	LICENSED LICENSED POOLED POOLED LICENSED LICENSED LICENSED	City of Gainesville Broward County School Board CALHOUN COUNTY (all eligibles) ESCAMBIA COUNTY (all eligibles) Lake County (North)
15	851.2000/806.2000	69.2 13.7 18.4 26.1 30.1 37.3 50.2 52.3 56.2	LICENSED LICENSED POOLED POOLED LICENSED LICENSED LICENSED	State of Florida City of Coral Gables Flagler County (secondary) (portable talk-around) HENDRY COUNTY (all eligibles) HOLMES COUNTY (all eligibles) Sergeant at Arms (secondary) (portable talk-around) Palm Beach County Pinellas County St. Lucie County

FCC CHAN. NO.			ALLOTMENT TYPE	JURISDICTION
16	851.2125/806.2125			State of Florida Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale-
		10 1	POOLED	by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) CLAY COUNTY (all eligibles)
			LICENSED	-
				Reedy Creek Improvement Dist.
			LICENSED	
		68.2	LICENSED	FL DEPT OF CORRECTIONS Calhoun Correctional
17	851.2250/806.2250			Brevard County (North Simulcast)
				City of Coral Gables
		26.1	POOLED	HENDRY COUNTY (all eligibles)
		29.2	LICENSED	Hillsborough County Sheriff
		35.4	LICENSED	Lake County (South)
			POOLED	
		42.3	APPLIED	Marion County
		43.2	LICENSED	Martin County (Counties & Cities)
				OKALOOSA COUNTY (all eligibles)
				Okaloosa County (SLERS 3rd Party)
				FL DEPT OF CORRECTIONS Suwannee Correctional
			APPLIED	FL DEPT OF CORRECTIONS Big Pine Key Correctional
18	851.2375/806.2375	6.4	LICENSED	
				by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors)
			POOLED	
			LICENSED	
			POOLED	
			LICENSED	
			LICENSED	1 1 ,
			LICENSED LICENSED	-
				FL DEPT OF CORRECTIONS Apalachee Correctional
		68.24	LICENSED	FL DEPT OF CORRECTIONS New River Correctional
 19	851.2500/806.2500		LICENSED	Brevard County (North Simulcast)
				City of Hialeah
			LICENSED	-
			POOLED	
			APPLIED	
		46.1	POOLED	OKALOOSA COUNTY (all eligibles)
		46.2	LICENSED	Okaloosa County (SLERS 3rd Party)
		50.10	LICENSED	Palm Beach Co. (secondary) (portable talk-around)
		68.13	LICENSED	FL DEPT OF CORRECTIONS Baker Correctional
				FL DEPT OF CORRECTIONS Cross City Correctional
20	851.2625/806.2625			Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale-
				by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors)
			LICENSED	Charlotte County
			LICENSED	
			POOLED	JACKSON COUNTY (all eligibles)
			LICENSED	
			LICENSED	-
			LICENSED	
			LICENSED LICENSED	
21	851 2750/006 2750	16 1		
Ζ⊥	851.2750/806.2750		POOLED	
				Flagler County LEON COUNTY (all eligibles)
				Palm Beach Co. (secondary) (portable talk-around)
				Polk County
				FL DEPT OF CORRECTIONS Marion Correctional
				FL DEFT OF CORRECTIONS Mailon Confectional

FCC CHAN. NO.	TRANSMIT FREQUENCY	NO.	ALLOTMENT TYPE	JURISDICTION
22	851.2875/806.2875	3.1 13.4 17.1 27.1 31.2 55.3 58.2 68.19	POOLED LICENSED POOLED POOLED LICENSED APPLIED LICENSED	BAY COUNTY (all eligibles) Miami-Dade County ESCAMBIA COUNTY (all eligibles) HERNANDO COUNTY (all eligibles) Indian River County Florida School for Deaf & Blind Sarasota County FL DEPT OF CORRECTIONS Lancaster Correctional
23	851.3000/806.3000	12.1 20.1 48.2 48.4 52.3 54.1 54.2 68.43	POOLED LICENSED LICENSED LICENSED POOLED LICENSED LICENSED	COLÚMBIA COUNTY (all eligibles) GADSDEN COUNTY (all eligibles) Orange County (County-wide) Orange County Winter Garden Site and UCF Site Pinellas County PUTNAM COUNTY (all eligibles) PUTNAM COUNTY (3rd Party SLERS)
24	851.3125/806.3125	3.1 8.2 13.4 17.1 38.1 38.2 40.1 56.2	POOLED LICENSED LICENSED POOLED POOLED LICENSED POOLED LICENSED	BAY COUNTY (all eligibles) Charlotte County Miami-Dade County ESCAMBIA COUNTY (all eligibles) LEVY COUNTY (all eligibles) Levy County (SLERS 3rd Party) MADISON COUNTY (all eligibles) St. Lucie County
25	851.3250/806.3250	10.2 20.1 35.2 50.2 53.2	LICENSED LICENSED LICENSED	
26	851.3375/806.3375	3.1 6.5 11.2 14.1 14.2 17.1 31.2 44.2 48.5 52.3 68.54	POOLED LICENSED POOLED APPLIED POOLED LICENSED LICENSED LICENSED LICENSED	BAY COUNTY (all eligibles) City of Hollywood Police Department COLLIER COUNTY West of SR 29 (all eligibles) DESOTO COUNTY (all eligibles) Desoto County ESCAMBIA COUNTY (all eligibles) Indian River County Monroe County (Keys only) City of Winter Park Pinellas County
27		16.1 16.3 24.1 37.1 50.2 53.2 64.2 68.18	POOLED POOLED LICENSED LICENSED DEDICATED LICENSED	LEON COUNTY (all eligibles) Palm Beach County Polk County City of Daytona Beach
28	851.3625/806.3625	3.1 13.4 17.1 31.2 48.6 58.2 58.3 68.60	POOLED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	BAY COUNTY (all eligibles) Miami-Dade County ESCAMBIA COUNTY (all eligibles) Indian River County Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) Sarasota County Sarasota County (secondary) (portable talk-around)

FCC CHAN. NO.			ALLOTMENT TYPE	JURISDICTION
29	851.3750/806.3750	69.2	LICENSED	State of Florida
				COLLIER COUNTY County-wide (all eligibles)
			POOLED	DUVAL COUNTY (all eligibles)
			LICENSED	
			POOLED LICENSED	
			LICENSED	
			LICENSED	
			LICENSED	
		68.58	LICENSED LICENSED	
30	851.3875/806.3875		POOLED	
		3.1	POOLED	BAY COUNTY (all eligibles)
				Miami-Dade County
			POOLED APPLIED	
				LEON COUNTY (all eligibles)
				Orange County (County-wide)
				Sarasota County
			LICENSED	FL DEPT OF CORRECTIONS Okeechobee Correctional
31	851.4000/806.4000	5.6	LICENSED	Brevard County (South Simulcast)
			POOLED	
			POOLED	
				Hardee County Lee County
				Palm Beach Co. (secondary) (portable talk-around)
			LICENSED	
		68.27	LICENSED	FL DEPT OF CORRECTIONS Tomoka Correctional
32	851.4125/806.4125		LICENSED	1
		6.4	LICENSED	Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors)
		13.11	LICENSED	Dade County (secondary) (portable talk-around)
		17.1	POOLED	ESCAMBIA COUNTY (all eligibles)
			LICENSED	Flagler County (secondary) (portable talk-around)
			LICENSED	
			POOLED LICENSED	JACKSON COUNTY (all eligibles) Martin County (Counties & Cities)
			LICENSED	
		48.2	LICENSED	Orange County (County-wide)
				FL DEPT OF CORRECTIONS Wakulla Correctional
33	851.4250/806.4250	N/A	STATEWIDE	GUARD CHANNEL
34	851.4375/806.4375	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
	851.4500/806.4500			FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
				FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
37	851.4750/806.4750	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
38	851.4875/806.4875	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
				MUTUAL AID TACTICAL CHANNEL #8TAC91
40	851.5375/806.5375	69.2	LICENSED	State of Florida
		5.6	LICENSED	Brevard County (South Simulcast)
				Miami-Dade County
				DUVAL COUNTY (all eligibles)
				JACKSON COUNTY (all eligibles) Martin County (Counties & Cities)
			POOLED	OKALOOSA COUNTY (all eligibles)
			LICENSED	
				Pinellas County
		60 2	LICENSED	SUMTER COUNTY

FCC CHAN. NO.			JURISDICTION
41	851.5500/806.5500	6.7 LICENSED 37.1 POOLED 48.2 LICENSED 48.4 LICENSED 54.1 POOLED 54.2 LICENSED 68.33 LICENSED 68.43 LICENSED	City of Coral Springs (includes Parkland) LEON COUNTY (all eligibles) Orange County (County-wide) Orange County Winter Garden Site and UCF Site PUTNAM COUNTY (all eligibles) PUTNAM COUNTY (3rd Party SLERS) FL DEPT OF CORRECTIONS Avon Park Correctional
42	851.5625/806.5625	5.5 LICENSED 8.2 LICENSED	Brevard County (North Simulcast) Charlotte County Miami-Dade County Hillsborough County Sheriff Martin County (Counties & Cities) OKALOOSA COUNTY (all eligibles) Okaloosa County (secondary) (portable talk-around)
43	851.5750/806.5750	37.1 POOLED 48.6 LICENSED 50.7 LICENSED 50.8 LICENSED 61.1 POOLED	LEON COUNTY (all eligibles) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) Tri-City Area (Boca Raton, Boynton Beach, and Delray Beach) SPBCPSCC (Boca Raton, Boynton Beach, and Delray Beach)
44	851.5875/806.5875	3.1 POOLED 5.5 LICENSED 6.5 LICENSED 11.2 POOLED 17.1 POOLED 42.3 APPLIED 52.3 LICENSED	BAY COUNTY (all eligibles) Brevard County (North Simulcast) City of Hollywood Police Department COLLIER COUNTY West of SR 29 (all eligibles) ESCAMBIA COUNTY (all eligibles) Marion County Pinellas County
45	851.6000/806.6000	16.1 POOLED 20.1 POOLED 50.2 LICENSED 53.2 LICENSED 64.2 DEDICATEI 68.48 LICENSED	DUVAL COUNTY (all eligibles) GADSDEN COUNTY (all eligibles) Palm Beach County Polk County O City of Daytona Beach
46	851.6125/806.6125	69.2 LICENSED 1.1 POOLED 13.4 LICENSED 19.1 POOLED 31.2 LICENSED 46.1 POOLED 48.6 LICENSED 52.3 LICENSED	State of Florida ALACHUA COUNTY (all eligibles) Miami-Dade County FRANKLIN COUNTY (all eligibles) Indian River County OKALOOSA COUNTY (all eligibles) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.)
47	851.6250/806.6250	35.2 LICENSED 36.2 LICENSED 50.2 LICENSED 53.2 LICENSED	DUVAL COUNTY (all eligibles) Lake County (North) Lee County Palm Beach County
48	851.6375/806.6375	1.2 LICENSED 3.1 POOLED 13.4 LICENSED 17.1 POOLED 31.2 LICENSED 48.5 LICENSED 58.2 LICENSED 68.23 LICENSED	

FCC CHAN. NO.	BASE/MOBILE TRANSMIT FREQUENCY		ALLOTMENT TYPE	JURISDICTION
49	851.6500/806.6500	18.4 26.3 28.1 28.2 37.1 41.2 48.2 50.11 51.1	POOLED LICENSED APPLIED POOLED LICENSED LICENSED LICENSED LICENSED POOLED	Seminole Tribe (SLERS 3rd party) HIGHLANDS COUNTY (all eligibles) Highlands County Sheriff LEON COUNTY (all eligibles) Manatee County Orange County (County-wide)
50	851.6625/806.6625	1.2 6.4 43.2 46.1 46.2 48.2 58.2	LICENSED LICENSED POOLED LICENSED LICENSED LICENSED	Alachua County Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) Martin County (Counties & Cities) OKALOOSA COUNTY (all eligibles) Okaloosa County (SLERS 3rd Party) Orange County (County-wide) Sarasota County
51	851.6750/806.6750	13.7 16.1 16.3 25.1 29.4 31.2 35.5 36.2 37.1 48.2	LICENSED POOLED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	Jacksonville Port Authority HARDEE COUNTY (all eligibles) City of Tampa Indian River County Lake County (Villages) Lee County LEON COUNTY (all eligibles) Orange County (County-wide)
52	851.6875/806.6875	69.2 6.3 17.1 48.2 54.1 54.2 58.2 66.1 66.2	LICENSED	Orange County (County-wide) PUTNAM COUNTY (all eligibles) PUTNAM COUNTY (3rd Party SLERS) Sarasota County WALTON COUNTY (all eligibles) Walton County (SLERS 3rd Party) FL DEPT OF CORRECTIONS Cross City Correctional
53	851.7000/806.7000	13.7 26.1 29.2 37.1 53.3 56.2	LICENSED POOLED	HENDRY COUNTY (all eligibles) Hillsborough County Sheriff LEON COUNTY (all eligibles) Polk County IR site St. Lucie County
54	851.7125/806.7125	10.1 48.6 57.1 58.2 67.1 68.19	POOLED LICENSED POOLED LICENSED POOLED LICENSED	CLAY COUNTY (all eligibles) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) SANTA ROSA COUNTY (all eligibles) Sarasota County
55	851.7250/806.7250	69.2 5.8 12.1 29.2 35.4 37.1 42.2 47.2	LICENSED DEDICATED POOLED LICENSED LICENSED POOLED DEDICATED APPLIED	State of Florida City of Cocoa Beach COLUMBIA COUNTY (all eligibles) Hillsborough County Sheriff

FCC CHAN. NO.	BASE/MOBILE TRANSMIT FREQUENCY		ALLOTMENT TYPE	JURISDICTION
56	851.7375/806.7375	13.3 22.2 48.6 55.2 57.1	LICENSED LICENSED LICENSED LICENSED LICENSED POOLED	Miami-Dade County (West) Glades County (SLERS 3rd Party) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.)
57	851.7500/806.7500	5.5 29.2 42.3 50.2 68.9 68.57	LICENSED LICENSED APPLIED LICENSED LICENSED LICENSED	Brevard County (North Simulcast) Hillsborough County Sheriff Marion County Palm Beach County FL DEPT OF CORRECTIONS Liberty Correctional FL DEPT OF CORRECTIONS Suwannee Correctional
58	851.7625/806.7625	13.4 16.1 16.2 35.3	LICENSED POOLED LICENSED LICENSED LICENSED	City of Jacksonville Beach
59	851.7750/806.7750	39.1 40.1 50.7 50.8	LICENSED LICENSED POOLED POOLED LICENSED LICENSED LICENSED	LIBERTY COUNTY (all eligibles) MADISON COUNTY (all eligibles) Tri-City Area (Boca Raton, Boynton Beach, and Delray Beach) SPBCPSCC (Boca Raton, Boynton Beach, and Delray Beach)
60	851.7875/806.7875	16.1 43.2 44.2 58.2 68.6 68.10	LICENSED POOLED LICENSED LICENSED LICENSED LICENSED LICENSED	Martin County (Counties & Cities) Monroe County (Keys only) Sarasota County FL DEPT OF CORRECTIONS Holmes Correctional
61	851.8000/806.8000	69.2 9.1 29.2 37.1 48.2 50.10 54.1	LICENSED POOLED LICENSED LICENSED LICENSED POOLED LICENSED	Hillsborough County Sheriff LEON COUNTY (all eligibles) Orange County (County-wide) Palm Beach Co. (secondary) (portable talk-around)
62	851.8125/806.8125	13.4 31.2 46.1	LICENSED LICENSED LICENSED POOLED LICENSED	Miami-Dade County
63	851.8250/806.8250	10.2 29.2 37.1 48.2 48.4 50.2 61.1	LICENSED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED POOLED	Hillsborough County Sheriff LEON COUNTY (all eligibles) Orange County (County-wide) Orange County Winter Garden Site and UCF Site
64	851.8375/806.8375	11.2 44.2 47.2 58.2 60.2 64.2 66.1 66.2	LICENSED LICENSED POOLED LICENSED APPLIED LICENSED DEDICATED POOLED LICENSED	COLLIER COUNTY West of SR 29 (all eligibles) Monroe County (Keys only) Okeechobee County (secondary) (portable talk-around) Sarasota County SUMTER COUNTY City of Daytona Beach WALTON COUNTY (all eligibles)

FCC CHAN. NO.	TRANSMIT FREQUENCY	NO.	ALLOTMENT TYPE	JURISDICTION
65	851.8500/806.8500	16.1 38.1 38.3 48.2 50.2 52.3	POOLED POOLED APPLIED LICENSED LICENSED LICENSED	DUVAL COUNTY (all eligibles) LEVY COUNTY (all eligibles) Levy County (secondary) (portable talk-around) Orange County (County-wide) Palm Beach County Pinellas County
66	851.8625/806.8625	69.2 5.7 10.3 13.4 18.4 24.1 46.1 58.2 68.55	LICENSED LICENSED LICENSED LICENSED POOLED POOLED LICENSED LICENSED	State of Florida Brevard County (Beach Simulcast) Camp Blanding PD Miami-Dade County Flagler County (secondary) (portable talk-around) HAMILTON COUNTY (all eligibles) OKALOOSA COUNTY (all eligibles) Sarasota County
67	851.8750/806.8750	36.2 41.2 42.3 47.1 47.3 50.6 51.1	LICENSED LICENSED APPLIED POOLED APPLIED LICENSED POOLED	Marion County OKEECHOBEE COUNTY (all eligibles) Okeechobee Co (SLERS 3rd party)
68	851.8875/806.8875	13.4 48.2 55.2 58.2 68.23 68.63	LICENSED LICENSED LICENSED LICENSED LICENSED APPLIED	Miami-Dade County Orange County (County-wide) St. Johns County Sarasota County
69	851.9000/806.9000	5.6 35.5 37.1 50.10 52.3 53.4	LICENSED LICENSED POOLED LICENSED LICENSED	Brevard County (South Simulcast) Lake County (Villages) LEON COUNTY (all eligibles) Palm Beach Co. (secondary) (portable talk-around)
70	851.9125/806.9125	13.11 18.4 43.2 44.2 46.1 46.2 48.2 58.2	LICENSED LICENSED LICENSED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	<pre>Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, &amp; Wilton Manors) Dade County (secondary) (portable talk-around) Flagler County (secondary) (portable talk-around) Martin County (Counties &amp; Cities) Monroe County (Keys only) OKALOOSA COUNTY (all eligibles) Okaloosa County (SLERS 3rd Party) Orange County (County-wide) Sarasota County</pre>
	851.9250/806.9250	N/A	STATEWIDE	GUARD CHANNEL
72	851.9375/806.9375	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
73	851.9500/806.9500	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
74	851.9625/806.9625	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
				FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
76				FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
				MUTUAL AID TACTICAL CHANNEL #8TAC92

FCC CHAN. NO.	BASE/MOBILE TRANSMIT FREQUENCY		ALLOTMENT TYPE	JURISDICTION
78	852.0375/807.0375	6.3 8.2 16.1 18.4 29.2 37.4 44.2 48.2 57.1	LICENSED POOLED LICENSED DEDICATED LICENSED LICENSED POOLED	Broward County School Board Charlotte County DUVAL COUNTY (all eligibles) Flagler County (secondary) (portable talk-around) Hillsborough County Sheriff City of Tallahassee Monroe County (Keys only) Orange County (County-wide) SANTA ROSA COUNTY (all eligibles)
79	852.0500/807.0500	1.2 9.1 43.3 48.2 48.4 66.1		Alachua County CITRUS COUNTY (all eligibles) Martin County (secondary) (portable talk-around) Orange County (County-wide) Orange County Winter Garden Site and UCF Site WALTON COUNTY (all eligibles)
80	852.0625/807.0625	13.4 23.1 29.2 57.1 68.37	POOLED LICENSED POOLED LICENSED	Miami-Dade County GULF COUNTY (all eligibles) Hillsborough County Sheriff SANTA ROSA COUNTY (all eligibles) FL DEPT OF CORRECTIONS Indian River Correctional
81	852.0750/807.0750	10.2 47.1 47.3 48.6 50.7 50.8 61.1	APPLIED	Clay County OKEECHOBEE COUNTY (all eligibles) Okeechobee Co (SLERS 3rd party) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) Tri-City Area (Boca Raton, Boynton Beach, and Delray Beach) SPBCPSCC (Boca Raton, Boynton Beach, and Delray Beach)
82	852.0875/807.0875	6.5 11.2 11.3 39.1 44.2 52.3 58.2 60.2 64.2	LICENSED POOLED APPLIED LICENSED LICENSED LICENSED DEDICATED LICENSED	COLLIER COUNTY LIBERTY COUNTY (all eligibles) Monroe County (Keys only) Pinellas County Sarasota County SUMTER COUNTY City of Daytona Beach FL DEPT OF CORRECTIONS Liberty Correctional
83	852.1000/807.1000	48.2 50.2 54.1 54.2 68.48	LICENSED LICENSED LICENSED POOLED LICENSED LICENSED	Hardee County Orange County (County-wide) Palm Beach County PUTNAM COUNTY (all eligibles) PUTNAM COUNTY (3rd Party SLERS) FL DEPT OF CORRECTIONS Taylor Correctional
84	852.1125/807.1125	5.7 13.4 16.1 16.3 19.2 29.4 58.2	LICENSED LICENSED POOLED LICENSED LICENSED POOLED LICENSED	Brevard County (Beach Simulcast) Miami-Dade County DUVAL COUNTY (all eligibles) Jacksonville Port Authority Franklin County (SLERS 3rd Party) City of Tampa Sarasota County
85	852.1250/807.1250	69.2 6.9 26.3 36.2 42.3 53.2	LICENSED LICENSED APPLIED LICENSED APPLIED LICENSED	

FCC CHAN. NO.	BASE/MOBILE TRANSMIT FREQUENCY		ALLOTMENT TYPE	JURISDICTION
86	852.1375/807.1375	13.4 48.3 48.4 55.2 58.2 68.13 68.25	LICENSED LICENSED LICENSED LICENSED LICENSED LICENSED LICENSED LICENSED	Miami-Dade County Orange County Zellwood Site Orange County Winter Garden Site and UCF Site St. Johns County Sarasota County FL DEPT OF CORRECTIONS Baker Correctional
87	852.1500/807.1500	11.2 28.1 28.2 35.5 48.2 50.4 52.3	POOLED POOLED LICENSED LICENSED LICENSED LICENSED LICENSED LICENSED	COLLIER COUNTY West of SR 29 (all eligibles) HIGHLANDS COUNTY (all eligibles) Highlands County Sheriff Lake County (Villages) Orange County (County-wide) Palm Beach Co School Board Pinellas County
88	852.1625/807.1625	31.2 44.2 48.2 54.1 54.2 58.2 68.46	LICENSED POOLED LICENSED LICENSED LICENSED	Indian River County Monroe County (Keys only) Orange County (County-wide) PUTNAM COUNTY (all eligibles) PUTNAM COUNTY (3rd Party SLERS) Sarasota County FL DEPT OF CORRECTIONS Zephyrhills Correctional
89	852.1750/807.1750	16.1 16.2 25.1 27.1 36.2 43.2 44.2 48.2	POOLED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	City of Jacksonville Beach HARDEE COUNTY (all eligibles) HERNANDO COUNTY (all eligibles) Lee County Martin County (Counties & Cities)
90	852.1875/807.1875	1.3 6.4 29.4 44.2 48.5	LICENSED LICENSED POOLED LICENSED LICENSED	<pre>Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, &amp; Wilton Manors) City of Tampa Monroe County (Keys only) City of Winter Park Polk County IR site</pre>
91	852.2000/807.2000	26.1 26.2 35.4 41.2 50.11 56.2 64.1	LICENSED LICENSED LICENSED POOLED	City of Hialeah HENDRY COUNTY (all eligibles) Hendry County (SLERS 3rd Party) Lake County (South) Manatee County Palm Beach Co IR Site St. Lucie County VOLUSIA COUNTY (all eligibles)
92	852.2125/807.2125	6.4 10.1 44.2 48.6	LICENSED POOLED LICENSED LICENSED	<pre>Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, &amp; Wilton Manors) CLAY COUNTY (all eligibles) Monroe County (Keys only) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.)</pre>
93	852.2250/807.2250	5.8 6.9 31.2 42.3 50.10 51.1 58.2	DEDICATED LICENSED LICENSED APPLIED LICENSED POOLED LICENSED	City of Cocoa Beach City of Ft. Lauderdale (secondary (portable talk-around) Indian River County Marion County Palm Beach Co. (secondary) (portable talk-around) PASCO COUNTY (all eligibles) Sarasota County

FCC CHAN. NO.	~	NO.	TYPE	JURISDICTION
94	852.2375/807.2375	13.2 13.3 43.2 48.6 55.2 68.44	LICENSED LICENSED LICENSED LICENSED LICENSED LICENSED	Miami-Dade County (West) Martin County (Counties & Cities) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) St. Johns County
95	852.2500/807.2500	69.2 6.9 42.3 50.10 51.1	LICENSED LICENSED APPLIED LICENSED POOLED	State of Florida City of Ft. Lauderdale (secondary (portable talk-around) Marion County Palm Beach Co. (secondary) (portable talk-around)
96	852.2625/807.2625	5.5 6.4 13.11 14.1 14.2 16.1 35.3 44.2 68.3 68.50	LICENSED LICENSED POOLED APPLIED POOLED LICENSED LICENSED LICENSED LICENSED	Brevard County (North Simulcast) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) Dade County (secondary) (portable talk-around) DESOTO COUNTY (all eligibles) Desoto County DUVAL COUNTY (all eligibles) Lake County (Central) Monroe County (Keys only) FL DEPT OF CORRECTIONS Century Correctional FL DEPT OF CORRECTIONS Everglades Correctional
97	852.2750/807.2750	1.3 6.9 18.3 26.1 53.2 56.2	LICENSED LICENSED LICENSED POOLED LICENSED LICENSED	City of Ft. Lauderdale (secondary (portable talk-around) City of Palm Coast HENDRY COUNTY (all eligibles) Polk County St. Lucie County
98	852.2875/807.2875	5.7 13.4 16.1 37.1 44.2 52.3 58.2	LICENSED LICENSED POOLED POOLED LICENSED LICENSED LICENSED	Miami-Dade County DUVAL COUNTY (all eligibles) LEON COUNTY (all eligibles) Monroe County (Keys only) Pinellas County Sarasota County
99	852.3000/807.3000	1.2 6.7 9.1 47.1 47.3 48.2 66.1	LICENSED LICENSED POOLED POOLED APPLIED	Walton County (SLERS 3rd Party)
100	852.3125/807.3125	8.2 13.4 23.1 29.2	LICENSED LICENSED LICENSED POOLED LICENSED POOLED	Miami-Dade County GULF COUNTY (all eligibles) Hillsborough County Sheriff
101	852.3250/807.3250	38.1 44.2 48.6 50.2	LICENSED LICENSED LICENSED	

FCC CHAN. NO.	TRANSMIT FREQUENCY	NO.		JURISDICTION
102		6.5 11.2 16.1 16.3 41.2 44.2 47.2 51.1 64.2	LICENSED POOLED LICENSED LICENSED LICENSED APPLIED POOLED DEDICATED	City of Hollywood Police Department COLLIER COUNTY West of SR 29 (all eligibles) DUVAL COUNTY (all eligibles) Jacksonville Port Authority Manatee County Monroe County (Keys only) Okeechobee County (secondary) (portable talk-around)
103	852.3500/807.3500	1.1 9.1 48.2 50.2 68.52	POOLED POOLED LICENSED LICENSED LICENSED	ALACHUA COUNTY (all eligibles) CITRUS COUNTY (all eligibles) Orange County (County-wide) Palm Beach County
104	852.3625/807.3625	5.6 13.4 16.1 18.2 19.1 19.3 44.2 52.3 58.2	LICENSED LICENSED POOLED DEDICATED POOLED APPLIED LICENSED LICENSED LICENSED	Brevard County (South Simulcast) Miami-Dade County DUVAL COUNTY (all eligibles) Flagler County FRANKLIN COUNTY (all eligibles) Franklin County (secondary) (portable talk-around) Monroe County (Keys only) Pinellas County
105	852.3750/807.3750	36.1 42.3 50.2 53.2 61.1	POOLED APPLIED LICENSED LICENSED POOLED	LEE COUNTY (all eligibles) Marion County Palm Beach County Polk County
106	852.3875/807.3875	69.2 13.4 31.2 48.6 55.2 58.2 68.12	LICENSED LICENSED LICENSED LICENSED LICENSED LICENSED LICENSED	State of Florida Miami-Dade County Indian River County Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) St. Johns County Sarasota County FL DEPT OF CORRECTIONS Walton Correctional
107	852.4000/807.4000	28.1 28.2 29.2 50.2 68.32 68.51	LICENSED LICENSED LICENSED	Hillsborough County Sheriff Palm Beach County FL DEPT OF CORRECTIONS Sumter Correctional FL DEPT OF CORRECTIONS Wakulla Correctional
108		1.2 13.4 31.2 45.1 48.2 58.2	LICENSED POOLED LICENSED LICENSED	Alachua County Miami-Dade County Indian River County NASSAU COUNTY (all eligibles) Orange County (County-wide) Sarasota County
	852.4250/807.4250	N/A	STATEWIDE	GUARD CHANNEL
110	852.4375/807.4375	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
111	852.4500/807.4500	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
112	852.4625/807.4625	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
				FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
				FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
				MUTUAL AID TACTICAL CHANNEL #8TAC93

	BASE/MOBILE TRANSMIT FREQUENCY	NO.	TYPE	
116	852.5375/807.5375	5.6 10.1 13.4 48.2	POOLED LICENSED	Brevard County (South Simulcast) CLAY COUNTY (all eligibles) Miami-Dade County Orange County (County-wide)
117	852.5500/807.5500	6.7 9.1 29.2 47.1 47.3 48.2 66.1 66.2 68.23	LICENSED POOLED LICENSED POOLED APPLIED LICENSED POOLED LICENSED LICENSED	State of Florida City of Coral Springs (includes Parkland) CITRUS COUNTY (all eligibles) Hillsborough County Sheriff OKEECHOBEE COUNTY (all eligibles) Okeechobee Co (SLERS 3rd party) Orange County (County-wide) WALTON COUNTY (all eligibles) Walton County (SLERS 3rd Party) FL DEPT OF CORRECTIONS Mayo Correctional
118	852.5625/807.5625	1.3 11.2 13.4 23.1 58.2	LICENSED POOLED LICENSED POOLED LICENSED	City of Gainesville COLLIER COUNTY West of SR 29 (all eligibles) Miami-Dade County GULF COUNTY (all eligibles) Sarasota County
119	852.5750/807.5750	35.2 50.2 53.2 68.30	LICENSED LICENSED LICENSED LICENSED	Lake County (North) Palm Beach County Polk County FL DEPT OF CORRECTIONS C. Fla Reception Center
120	852.5875/807.5875	5.6 13.8 16.1 16.2 37.1 44.2 58.3 64.2	LICENSED LICENSED POOLED LICENSED POOLED LICENSED LICENSED	Brevard County (South Simulcast) City of Hialeah DUVAL COUNTY (all eligibles) City of Jacksonville Beach LEON COUNTY (all eligibles) Monroe County (Keys only) Sarasota County (secondary) (portable talk-around) City of Daytona Beach
121	852.6000/807.6000	9.1 10.3 15.1 44.2 48.2 52.3 56.2	POOLED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	City of Ft. Lauderdale (secondary (portable talk-around) CITRUS COUNTY (all eligibles) Camp Blanding PD DIXIE COUNTY (all eligibles) Monroe County (Keys only) Orange County (County-wide) Pinellas County St. Lucie County FL DEPT OF CORRECTIONS DeSoto Correctional
122	852.6125/807.6125	18.2 44.2 58.2 68.47	LICENSED LICENSED LICENSED	Brevard County (South Simulcast) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) DUVAL COUNTY (all eligibles) Flagler County Monroe County (Keys only) Sarasota County FL DEPT OF CORRECTIONS Washington Correctional
123	852.6250/807.6250	13.7 36.2 37.1 42.3 53.2	LICENSED LICENSED POOLED APPLIED LICENSED LICENSED	City of Coral Gables Lee County LEON COUNTY (all eligibles) Marion County Polk County

FCC CHAN. NO.		NO.	TYPE	JURISDICTION
124		6.4 21.1 43.2 44.2 55.2 58.2	LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) GILCHRIST COUNTY (all eligibles)
125	852.6500/807.6500	11.2 11.3 28.1 28.2 29.2 35.5 50.11 68.8 68.20	POOLED APPLIED POOLED LICENSED LICENSED LICENSED LICENSED LICENSED	Brevard County (Beach Simulcast) COLLIER COUNTY West of SR 29 (all eligibles) COLLIER COUNTY HIGHLANDS COUNTY (all eligibles) Highlands County Sheriff Hillsborough County Sheriff Lake County (Villages) Palm Beach Co IR Site FL DEPT OF CORRECTIONS Jefferson Correctional FL DEPT OF CORRECTIONS Lawtey Correctional
126	852.6625/807.6625	12.1 13.4 43.3 48.2 54.1 54.2 57.1 58.2	POOLED LICENSED DEDICATED LICENSED POOLED LICENSED LICENSED	-
127	852.6750/807.6750	69.2 16.1 26.3 31.2 36.2 50.7 50.8 53.3	LICENSED POOLED APPLIED LICENSED LICENSED LICENSED DEDICATED	State of Florida DUVAL COUNTY (all eligibles) Seminole Tribe (SLERS 3rd party) Indian River County Lee County Tri-City Area (Boca Raton, Boynton Beach, and Delray Beach)
128	852.6875/807.6875	1.3 13.2 13.3 29.2 48.6	LICENSED LICENSED LICENSED LICENSED LICENSED	City of Gainesville Miami-Dade County (County-wide) Miami-Dade County (West) Hillsborough County Sheriff Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.)
129	852.7000/807.7000	26.1 26.2 35.4 56.2 64.1	POOLED APPLIED LICENSED	HENDRY COUNTY (all eligibles) Hendry County (SLERS 3rd Party) Lake County (South) St. Lucie County VOLUSIA COUNTY (all eligibles) FL DEPT OF CORRECTIONS Calhoun Correctional
130	852.7125/807.7125	16.1 44.2 48.6 58.2 68.4	LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.)
131	852.7250/807.7250	69.2 5.8 26.1 26.2 29.2 31.2 42.3 66.1	LICENSED DEDICATED POOLED APPLIED LICENSED LICENSED APPLIED POOLED	State of Florida City of Cocoa Beach HENDRY COUNTY (all eligibles) Hendry County (SLERS 3rd Party) Hillsborough County Sheriff Indian River County

FCC CHAN. NO.		NO.	TYPE	JURISDICTION
132	852.7375/807.7375	13.2 13.4 16.1 48.6	LICENSED LICENSED	Miami-Dade County (County-wide) Miami-Dade County DUVAL COUNTY (all eligibles) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.)
133	852.7500/807.7500	5.5 25.2 42.3 51.1 56.2	LICENSED LICENSED APPLIED POOLED	Brevard County (North Simulcast) Hardee County Marion County PASCO COUNTY (all eligibles) St. Lucie County
134	852.7625/807.7625	16.1 16.3 35.3 37.4 50.2	LICENSED LICENSED DEDICATED	DUVAL COUNTY (all eligibles) Jacksonville Port Authority Lake County (Central) City of Tallahassee Palm Beach County Sarasota County
135	852.7750/807.7750	18.3 36.1 53.2 56.2	LICENSED POOLED	-
136	852.7875/807.7875	5.6 13.4 16.1 58.2 68.18	LICENSED LICENSED POOLED	Brevard County (South Simulcast) Miami-Dade County DUVAL COUNTY (all eligibles) Sarasota County FL DEPT OF CORRECTIONS Hamilton Correctional
137	852.8000/807.8000	9.1 29.2 47.1 47.3 48.2 50.5 62.1 62.2 68.1	POOLED LICENSED POOLED APPLIED LICENSED LICENSED POOLED APPLIED	CITRUS COUNTY (all eligibles) Hillsborough County Sheriff OKEECHOBEE COUNTY (all eligibles) Okeechobee Co (SLERS 3rd party) Orange County (County-wide) Palm Beach Co Solid Waste Auth TAYLOR COUNTY (all eligibles) Taylor County (SLERS 3rd party) FL DEPT OF CORRECTIONS Apalachee Correctional
138	852.8125/807.8125	5.6 11.2 13.4 23.1		-
139	852.8250/807.8250	22.4 50.2 50.14 53.2 64.1	POOLED APPLIED LICENSED APPLIED LICENSED POOLED	Palm Beach County Palm Beach Co Fire
140	852.8375/807.8375	6.4 10.1 11.1 37.1 44.2 52.3 56.2 58.2	LICENSED POOLED POOLED LICENSED LICENSED LICENSED LICENSED LICENSED	<pre>Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, &amp; Wilton Manors) CLAY COUNTY (all eligibles) COLLIER COUNTY County-wide (all eligibles) LEON COUNTY (all eligibles) Monroe County (Keys only) Pinellas County St. Lucie County Sarasota County</pre>

FCC CHAN. NO.	BASE/MOBILE TRANSMIT FREQUENCY		ALLOTMENT TYPE	JURISDICTION
141	852.8500/807.8500	13.8 15.1 22.3 48.2 50.9 68.44	POOLED LICENSED LICENSED LICENSED LICENSED	City of Hialeah DIXIE COUNTY (all eligibles) Glades County Fire (secondary) (portable talk-around) Orange County (County-wide) Palm Beach Co. (Jails & Crthse.)
142	852.8625/807.8625	4.1 6.4 18.2 31.2 44.2 52.3 58.2	POOLED LICENSED DEDICATED LICENSED LICENSED LICENSED LICENSED	BRADFORD COUNTY (all eligibles) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) Flagler County Indian River County Monroe County (Keys only) Pinellas County Sarasota County
143	852.8750/807.8750	36.2 37.1 42.3 53.2 61.1 68.5 68.50	LICENSED POOLED APPLIED LICENSED POOLED LICENSED LICENSED	Lee County LEON COUNTY (all eligibles) Marion County Polk County SUWANNEE COUNTY (all eligibles) FL DEPT OF CORRECTIONS Gulf Correctional FL DEPT OF CORRECTIONS Everglades Correctional
144	852.8875/807.8875	5.5 6.4 41.2 43.2 44.2 48.3 48.4 52.3 55.2 57.1	LICENSED LICENSED LICENSED LICENSED LICENSED LICENSED LICENSED POOLED	Brevard County (North Simulcast) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) Manatee County Martin County (Counties & Cities) Monroe County (Keys only) Orange County (Keys only) Orange County Zellwood Site Orange County Winter Garden Site and UCF Site Pinellas County St. Johns County SANTA ROSA COUNTY (all eligibles)
145	852.9000/807.9000	11.2 28.1 28.2 44.2 50.9 60.2 66.1 66.2	POOLED POOLED LICENSED LICENSED LICENSED POOLED LICENSED	HIGHLANDS COUNTY (all eligibles) Highlands County Sheriff Monroe County (Keys only)
146	852.9125/807.9125	13.4 29.2 37.1 45.1 48.2 57.1	LICENSED LICENSED POOLED POOLED LICENSED POOLED	LEON COUNTY (all eligibles) NASSAU COUNTY (all eligibles) Orange County (County-wide) SANTA ROSA COUNTY (all eligibles)
	852.9250/807.9250		STATEWIDE	GUARD CHANNEL
148	852.9375/807.9375	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
149	852.9500/807.9500	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
150	852.9625/807.9625	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
151		N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
152	852.9875/807.9875	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
153	853.0125/808.0125	N/A	STATEWIDE	MUTUAL AID TACTICAL CHANNEL #8TAC94

FCC CHAN. NO.				JURISDICTION
154	853.0375/808.0375	10.1 22.2 38.1 46.1 48.6 52.3 58.2 68.5	POOLED POOLED LICENSED LICENSED LICENSED LICENSED	<pre>by-the-Sea, Oakland Park, Pompano Beach, &amp; Wilton Manors) CLAY COUNTY (all eligibles) Glades County (SLERS 3rd Party) LEVY COUNTY (all eligibles) OKALOOSA COUNTY (all eligibles) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) Pinellas County Sarasota County</pre>
155	853.0500/808.0500	13.7 35.2 53.2 56.2 62.1 62.2 68.11	LICENSED LICENSED LICENSED LICENSED POOLED APPLIED LICENSED	City of Coral Gables Lake County (North) Polk County St. Lucie County TAYLOR COUNTY (all eligibles) Taylor County (SLERS 3rd party) FL DEPT OF CORRECTIONS River Junction Correctional
156	853.0625/808.0625	1.3 6.3 11.2 23.1 27.1 45.1 48.4 48.8 58.2 66.1 66.2 66.3	LICENSED LICENSED POOLED POOLED POOLED LICENSED POOLED LICENSED POOLED LICENSED APPLIED	Broward County School Board COLLIER COUNTY West of SR 29 (all eligibles) GULF COUNTY (all eligibles) HERNANDO COUNTY (all eligibles) NASSAU COUNTY (all eligibles) Orange County Winter Garden Site and UCF Site University of Central Florida Sarasota County WALTON COUNTY (all eligibles) Walton County (SLERS 3rd Party)
157	853.0750/808.0750	5.7 13.7 48.3 52.3 53.4 58.2 64.2 68.24 68.41	LICENSED LICENSED LICENSED DEDICATED LICENSED DEDICATED LICENSED LICENSED	Brevard County (Beach Simulcast) City of Coral Gables Orange County Zellwood Site Pinellas County City of Lakeland Sarasota County City of Daytona Beach FL DEPT OF CORRECTIONS New River Correctional
158	853.0875/808.0875	6.4 11.1 16.1 32.1 56.2 65.1	LICENSED POOLED POOLED POOLED LICENSED	<pre>Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, &amp; Wilton Manors) COLLIER COUNTY County-wide (all eligibles) DUVAL COUNTY (all eligibles) JACKSON COUNTY (all eligibles) St. Lucie County WAKULLA COUNTY (all eligibles)</pre>
159	853.1000/808.1000	22.1 22.4 29.2 48.2 50.9	POOLED POOLED APPLIED LICENSED LICENSED LICENSED	Hillsborough County Sheriff Orange County (County-wide) Palm Beach Co. (Jails & Crthse.)
160	853.1125/808.1125	5.6 13.4 18.2 26.3 43.3 58.2 68.47	LICENSED LICENSED DEDICATED APPLIED DEDICATED LICENSED LICENSED	Alachua County Brevard County (South Simulcast) Miami-Dade County Flagler County Seminole Tribe (SLERS 3rd party) Martin County (secondary) (portable talk-around) Sarasota County

FCC CHAN. NO.	BASE/MOBILE TRANSMIT FREQUENCY			JURISDICTION
	853.1250/808.1250	29.2 36.2 37.1 47.2 48.2 50.6	LICENSED LICENSED POOLED APPLIED LICENSED LICENSED	Hillsborough County Sheriff Lee County LEON COUNTY (all eligibles) Okeechobee County (secondary) (portable talk-around) Orange County (County-wide) City of Palm Beach Gardens
162	853.1375/808.1375	5.6 12.1 13.4 35.5 46.1 55.2 58.2	LICENSED POOLED LICENSED LICENSED POOLED LICENSED LICENSED	COLUMBIA COUNTY (all eligibles) Miami-Dade County Lake County (Villages) OKALOOSA COUNTY (all eligibles) St. Johns County Sarasota County
163	853.1500/808.1500	11.2 38.1 38.2 45.1 50.7 50.8 53.2 56.2 68.51	POOLED POOLED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	NASSAU COUNTY (all eligibles) Tri-City Area (Boca Raton, Boynton Beach, and Delray Beach) SPBCPSCC (Boca Raton, Boynton Beach, and Delray Beach) Polk County St. Lucie County FL DEPT OF CORRECTIONS Wakulla Correctional
164	853.1625/808.1625	5.5 13.4 52.3 54.1 54.2	LICENSED LICENSED LICENSED POOLED LICENSED	Miami-Dade County Pinellas County PUTNAM COUNTY (all eligibles)
165	853.1750/808.1750	16.1 25.1 27.1 36.2 37.1	POOLED POOLED POOLED LICENSED	DUVAL COUNTY (all eligibles) HARDEE COUNTY (all eligibles) HERNANDO COUNTY (all eligibles) Lee County LEON COUNTY (all eligibles)
166	853.1875/808.1875	6.3 44.2 49.1	LICENSED POOLED	Broward County School Board Monroe County (Keys only) OSCEOLA COUNTY (all eligibles)
167	853.2000/808.2000	69.2 25.2 44.2 52.3 56.2 60.2	LICENSED LICENSED LICENSED LICENSED LICENSED	Hardee County Monroe County (Keys only) Pinellas County St. Lucie County SUMTER COUNTY
168	853.2125/808.2125	48.6 55.2 57.1	LICENSED POOLED LICENSED	Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) St. Johns County SANTA ROSA COUNTY (all eligibles)
169	853.2250/808.2250	31.2 42.2 50.2 51.1 58.2 66.1	DEDICATED LICENSED DEDICATED LICENSED POOLED LICENSED POOLED	City of Cocoa Beach

FCC CHAN. NO.	BASE/MOBILE TRANSMIT FREQUENCY		ALLOTMENT TYPE	JURISDICTION
170	853.2375/808.2375	12.1 13.2 13.3 48.6 57.1 58.2	LICENSED POOLED LICENSED LICENSED LICENSED POOLED LICENSED LICENSED	Miami-Dade County (County-wide) Miami-Dade County (West) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) SANTA ROSA COUNTY (all eligibles) Sarasota County
171	853.2500/808.2500	29.2 37.1 42.3 53.3 56.2 68.6	LICENSED LICENSED	DUVAL COUNTY (all eligibles) HENDRY COUNTY (all eligibles) Hillsborough County Sheriff LEON COUNTY (all eligibles) Marion County Polk County IR site St. Lucie County
172	853.2625/808.2625	10.3 13.4 46.1 48.2 58.2	LICENSED	Miami-Dade County OKALOOSA COUNTY (all eligibles) Orange County (County-wide)
173	853.2750/808.2750	2.1 29.2 37.4 56.2 67.1	POOLED LICENSED	BAKER COUNTY (all eligibles) Hillsborough County Sheriff City of Tallahassee St. Lucie County WASHINGTON COUNTY (all eligibles)
174	853.2875/808.2875	22.3 44.2 46.1 48.2 55.2 58.2	LICENSED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	OKALOOSA COUNTY (all eligibles) Orange County (County-wide) St. Johns County Sarasota County
175	853.3000/808.3000	29.2 35.5 56.2		Hillsborough County Sheriff Lake County (Villages)
176	853.3125/808.3125	3.1 6.4 11.2 14.1 14.2 17.1 44.2 48.6	POOLED LICENSED POOLED APPLIED POOLED LICENSED LICENSED	<pre>by-the-Sea, Oakland Park, Pompano Beach, &amp; Wilton Manors) COLLIER COUNTY West of SR 29 (all eligibles) DESOTO COUNTY (all eligibles) Desoto County ESCAMBIA COUNTY (all eligibles) Monroe County (Keys only) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.)</pre>
177	853.3250/808.3250	13.8 43.2 53.2 64.2	LICENSED LICENSED LICENSED	Martin County (Counties & Cities) Polk County City of Daytona Beach

FCC CHAN. NO.	TRANSMIT FREQUENCY	NO.	TYPE	JURISDICTION
178	853.3375/808.3375	6.4 10.1 11.1 31.2 32.1 44.2 46.1 48.2 65.1 68.40	LICENSED POOLED LICENSED POOLED LICENSED POOLED LICENSED POOLED LICENSED	<pre>Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, &amp; Wilton Manors) CLAY COUNTY (all eligibles) COLLIER COUNTY County-wide (all eligibles) Indian River County JACKSON COUNTY (all eligibles) Monroe County (Keys only) OKALOOSA COUNTY (all eligibles) Orange County (County-wide) WAKULLA COUNTY (all eligibles)</pre>
179	853.3500/808.3500	5.5 9.1 29.2 48.2 48.4 50.11	LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	Brevard County (North Simulcast) CITRUS COUNTY (all eligibles) Hillsborough County Sheriff Orange County (County-wide) Orange County Winter Garden Site and UCF Site Palm Beach Co IR Site
180	853.3625/808.3625	1.2 3.1 13.4 17.1 18.2 28.1 28.2 44.2 58.2 68.30 68.45	LICENSED POOLED LICENSED POOLED DEDICATED POOLED LICENSED LICENSED LICENSED LICENSED	Alachua County BAY COUNTY (all eligibles) Miami-Dade County ESCAMBIA COUNTY (all eligibles) Flagler County HIGHLANDS COUNTY (all eligibles) Highlands County Sheriff Monroe County (Keys only) Sarasota County FL DEPT OF CORRECTIONS C. Fla Reception Center
181	853.3750/808.3750	5.7 36.2 37.1 48.3 50.2 52.3 68.46	LICENSED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	Brevard County (Beach Simulcast) Lee County LEON COUNTY (all eligibles) Orange County Zellwood Site Palm Beach County Pinellas County
182	853.3875/808.3875	69.2 13.4 41.2 46.1 48.4 48.8 55.2 68.54	LICENSED LICENSED POOLED LICENSED POOLED LICENSED LICENSED	State of Florida Miami-Dade County Manatee County OKALOOSA COUNTY (all eligibles) Orange County Winter Garden Site and UCF Site University of Central Florida St. Johns County FL DEPT OF CORRECTIONS Hernando Correctional
183	853.4000/808.4000	8.2 20.1 31.2 45.1 50.5 53.2 68.53	LICENSED POOLED LICENSED POOLED LICENSED LICENSED LICENSED	NASSAU COUNTY (all eligibles) Palm Beach Co Solid Waste Auth Polk County
	853.4125/808.4125	1.1 3.1 5.5 13.4 17.1 35.3 43.3 52.3	POOLED POOLED LICENSED LICENSED POOLED LICENSED DEDICATED LICENSED	ALACHUA COUNTY (all eligibles) BAY COUNTY (all eligibles) Brevard County (North Simulcast) Miami-Dade County ESCAMBIA COUNTY (all eligibles) Lake County (Central) Martin County (secondary) (portable talk-around) Pinellas County
185	853.4250/808.4250	N/A	STATEWIDE	
186	853.4375/808.4375	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
187	853.4500/808.4500	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
				FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)

NO.	· • • •	NO.	TYPE	
189		N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
190	853.4875/808.4875	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
191	853.5000/808.5000	N/A	STATEWIDE	
	853.5125/808.5125	7.1 13.4 16.1 16.2 31.2 46.1 50.11 58.2 60.2	POOLED LICENSED POOLED LICENSED POOLED LICENSED LICENSED LICENSED	Palm Beach Co IR Site Sarasota County SUMTER COUNTY
193		1.3 18.3 26.3 29.2 36.2 37.1 53.3 68.7	LICENSED LICENSED APPLIED LICENSED LICENSED POOLED DEDICATED LICENSED	City of Gainesville City of Palm Coast Seminole Tribe (SLERS 3rd party) Hillsborough County Sheriff Lee County LEON COUNTY (all eligibles) Polk County IR site FL DEPT OF CORRECTIONS Jackson Correctional
194	853.5375/808.5375	5.6 6.4 17.1 35.3 43.2 66.1 66.2	LICENSED LICENSED LICENSED LICENSED POOLED LICENSED	Brevard County (South Simulcast) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) ESCAMBIA COUNTY (all eligibles) Lake County (Central) Martin County (Counties & Cities) WALTON COUNTY (all eligibles) Walton County (SLERS 3rd Party)
195	853.5500/808.5500	2.2 13.7 35.2 53.2 62.1	LICENSED LICENSED LICENSED LICENSED POOLED	Lake County (North) Polk County TAYLOR COUNTY (all eligibles)
196		1.3 3.1 5.6 6.4 11.2 11.3 14.1 14.2	LICENSED POOLED LICENSED LICENSED POOLED APPLIED POOLED POOLED	Brevard County (South Simulcast) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) COLLIER COUNTY West of SR 29 (all eligibles)
197	853.5750/808.5750	6.9 29.2 37.1 43.2 44.2 48.2 64.2 68.35	LICENSED LICENSED POOLED LICENSED LICENSED LICENSED	City of Ft. Lauderdale (secondary (portable talk-around) Hillsborough County Sheriff LEON COUNTY (all eligibles) Martin County (Counties & Cities) Monroe County (Keys only) Orange County (County-wide) City of Daytona Beach FL DEPT OF CORRECTIONS Dade Correctional

FCC CHAN. NO.	TRANSMIT FREQUENCY	NO.	TYPE	JURISDICTION
198	853.5875/808.5875	3.1 5.6 6.4 10.3 11.1 12.1 17.1 44.2 48.2 58.2 60.2	POOLED LICENSED LICENSED POOLED POOLED POOLED LICENSED LICENSED LICENSED LICENSED	BAY COUNTY (all eligibles) Brevard County (South Simulcast) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) Camp Blanding PD COLLIER COUNTY County-wide (all eligibles) COLUMBIA COUNTY (all eligibles) ESCAMBIA COUNTY (all eligibles) Monroe County (Keys only) Orange County (County-wide) Sarasota County SUMTER COUNTY
199	853.6000/808.6000	16.1 29.2 37.1 47.2 48.4 50.11 68.36	LICENSED POOLED APPLIED LICENSED LICENSED LICENSED	DUVAL COUNTY (all eligibles) Hillsborough County Sheriff LEON COUNTY (all eligibles) Okeechobee County (secondary) (portable talk-around) Orange County Winter Garden Site and UCF Site Palm Beach Co IR Site FL DEPT OF CORRECTIONS Glades Correctional
200	853.6125/808.6125	1.1 3.1 13.4 17.1 18.2 48.4 48.8 58.2 68.38	POOLED POOLED LICENSED POOLED DEDICATED LICENSED LICENSED LICENSED	
201	853.6250/808.6250	5.7 6.7 20.1 35.5 36.2 52.3 53.4 68.14	LICENSED LICENSED POOLED LICENSED LICENSED DEDICATED LICENSED	Brevard County (Beach Simulcast) City of Coral Springs (includes Parkland) GADSDEN COUNTY (all eligibles) Lake County (Villages) Lee County Pinellas County City of Lakeland FL DEPT OF CORRECTIONS Columbia Correctional
202	853.6375/808.6375	3.1 13.4 17.1 40.1 47.2 48.2 55.2 68.15	POOLED LICENSED POOLED APPLIED LICENSED LICENSED LICENSED	Orange County (County-wide)
203	853.6500/808.6500	8.2 20.1 42.3 50.2 68.42 68.59	LICENSED LICENSED	Charlotte County GADSDEN COUNTY (all eligibles) Marion County Palm Beach County FL DEPT OF CORRECTIONS Hardee Correctional
204	853.6625/808.6625	69.2 3.1 13.4 16.1 17.1 44.2 48.6	LICENSED POOLED LICENSED POOLED POOLED LICENSED LICENSED	State of Florida BAY COUNTY (all eligibles) Miami-Dade County DUVAL COUNTY (all eligibles) ESCAMBIA COUNTY (all eligibles) Monroe County (Keys only) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) Pinellas County

FCC CHAN. NO.	BASE/MOBILE TRANSMIT FREQUENCY	NO.	ALLOTMENT TYPE	JURISDICTION
205	853.6750/808.6750	1.3 26.1 27.1 37.1 50.7 50.8 56.2		HERNANDO COUNTY (all eligibles) LEON COUNTY (all eligibles) Tri-City Area (Boca Raton, Boynton Beach, and Delray Beach) SPBCPSCC (Boca Raton, Boynton Beach, and Delray Beach) St. Lucie County
206	853.6875/808.6875	13.4 16.1 29.2 32.1 44.2 46.1 48.3	LICENSED LICENSED POOLED LICENSED POOLED LICENSED POOLED LICENSED	Miami-Dade County DUVAL COUNTY (all eligibles) Hillsborough County Sheriff JACKSON COUNTY (all eligibles) Monroe County (Keys only) OKALOOSA COUNTY (all eligibles)
207	853.7000/808.7000	31.2 37.1 42.2 44.2 50.2 53.3 58.2	LICENSED POOLED DEDICATED LICENSED LICENSED	Indian River County LEON COUNTY (all eligibles) Marion County Monroe County (Keys only) Palm Beach County Polk County IR site
208	853.7125/808.7125	6.5 29.2 32.1 44.2 46.1 48.6	LICENSED LICENSED POOLED LICENSED POOLED LICENSED LICENSED	Hillsborough County Sheriff JACKSON COUNTY (all eligibles) Monroe County (Keys only) OKALOOSA COUNTY (all eligibles)
209	853.7250/808.7250	35.4 42.3 50.2 58.2 63.1	LICENSED LICENSED APPLIED LICENSED LICENSED POOLED LICENSED	Marion County Palm Beach County Sarasota County UNION COUNTY (all eligibles)
210	853.7375/808.7375	13.3 29.2 32.1 35.2 44.2 46.1	LICENSED POOLED	Miami-Dade County (West) Hillsborough County Sheriff JACKSON COUNTY (all eligibles) Lake County (North) Monroe County (Keys only) OKALOOSA COUNTY (all eligibles)
211	853.7500/808.7500	10.1 11.2 25.2 37.1 48.5 56.2	POOLED POOLED LICENSED POOLED LICENSED LICENSED	1
212	853.7625/808.7625	69.2 6.3 7.1 17.1 29.4 49.1	LICENSED LICENSED POOLED POOLED POOLED POOLED	State of Florida

FCC CHAN. NO.	TRANSMIT FREQUENCY	NO.	ALLOTMENT TYPE	JURISDICTION
213	853.7750/808.7750	1.3 13.7 36.2 37.1 50.9 68.10	LICENSED LICENSED LICENSED POOLED LICENSED LICENSED	City of Gainesville City of Coral Gables Lee County LEON COUNTY (all eligibles) Palm Beach Co. (Jails & Crthse.) FL DEPT OF CORRECTIONS Okaloosa Correctional
214	853.7875/808.7875	3.1 6.4 17.1 29.4 56.2 58.2	LICENSED LICENSED	BAY COUNTY (all eligibles) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) ESCAMBIA COUNTY (all eligibles) City of Tampa St. Lucie County
215	853.8000/808.8000	13.7 37.1 50.10 53.2 64.1	LICENSED POOLED LICENSED	City of Coral Gables LEON COUNTY (all eligibles) Palm Beach Co. (secondary) (portable talk-around) Polk County VOLUSIA COUNTY (all eligibles)
216	853.8125/808.8125	3.1 5.6 6.4 11.2 14.1 14.2 17.1	LICENSED POOLED LICENSED LICENSED POOLED POOLED APPLIED POOLED LICENSED	BAY COUNTY (all eligibles) Brevard County (South Simulcast) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) COLLIER COUNTY West of SR 29 (all eligibles) DESOTO COUNTY (all eligibles) Desoto County ESCAMBIA COUNTY (all eligibles)
217	853.8250/808.8250	16.1 29.2 37.4 43.3 48.2	DEDICATED LICENSED DEDICATED	City of Hialeah DUVAL COUNTY (all eligibles) Hillsborough County Sheriff City of Tallahassee Martin County (secondary) (portable talk-around) Orange County (County-wide)
218	853.8375/808.8375	1.1 3.1 6.4 17.1 27.1 31.2 44.2	POOLED POOLED LICENSED POOLED POOLED LICENSED	by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) ESCAMBIA COUNTY (all eligibles) HERNANDO COUNTY (all eligibles) Indian River County Monroe County (Keys only)
219	853.8500/808.8500	16.1 16.2 33.1 50.2 50.10 53.2 68.49	LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	DUVAL COUNTY (all eligibles) City of Jacksonville Beach JEFFERSON COUNTY (all eligibles) Palm Beach County Palm Beach Co. (secondary) (portable talk-around) Polk County
220	853.8625/808.8625	1.2 3.1 5.7 13.4 17.1 18.2 35.5 52.3	LICENSED POOLED LICENSED LICENSED POOLED DEDICATED LICENSED LICENSED	Alachua County BAY COUNTY (all eligibles) Brevard County (Beach Simulcast) Miami-Dade County

NO.	BASE/MOBILE TRANSMIT FREQUENCY	NO.	TYPE	
	853.8750/808.8750	20.1 36.2 43.3 45.1 48.2	POOLED LICENSED DEDICATED POOLED LICENSED	City of Coral Springs (includes Parkland) GADSDEN COUNTY (all eligibles) Lee County Martin County (secondary) (portable talk-around) NASSAU COUNTY (all eligibles) Orange County (County-wide)
222	853.8875/808.8875	3.1 12.1 13.4 17.1 41.2 51.1 55.2	POOLED POOLED LICENSED POOLED LICENSED POOLED LICENSED	BAY COUNTY (all eligibles) COLUMBIA COUNTY (all eligibles) Miami-Dade County ESCAMBIA COUNTY (all eligibles) Manatee County PASCO COUNTY (all eligibles) St. Johns County
223	853.9000/808.9000	5.5 8.2 20.1 30.1 35.4 42.2 47.1 47.3 50.11 68.17	LICENSED LICENSED POOLED LICENSED DEDICATED POOLED APPLIED LICENSED LICENSED	Brevard County (North Simulcast) Charlotte County GADSDEN COUNTY (all eligibles) HOLMES COUNTY (all eligibles) Lake County (South) Marion County OKEECHOBEE COUNTY (all eligibles) OKEECHOBEE COUNTY (all eligibles) Okeechobee Co (SLERS 3rd party) Palm Beach Co IR Site FL DEPT OF CORRECTIONS Florida State Prison
224	853.9125/808.9125	3.1 6.4 10.1 13.11 17.1 40.1 48.6 52.3 68.21 68.42	POOLED LICENSED POOLED LICENSED POOLED LICENSED LICENSED LICENSED LICENSED	BAY COUNTY (all eligibles) Ft. Lauderdale Area (Includes Ft. Lauderdale, Lauderdale- by-the-Sea, Oakland Park, Pompano Beach, & Wilton Manors) CLAY COUNTY (all eligibles) Dade County (secondary) (portable talk-around) ESCAMBIA COUNTY (all eligibles) MADISON COUNTY (all eligibles) Greater Orl. Public Safety Coop. (Orlando + G.O.A.A.) Pinellas County FL DEPT OF CORRECTIONS Madison Correctional FL DEPT OF CORRECTIONS Hardee Correctional
	853.9250/808.9250	N/A	STATEWIDE	
226	853.9375/808.9375	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
227	853.9500/808.9500	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
228	853.9625/808.9625	N/A	STATEWIDE	FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
229	853.9750/808.9750			FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)
				FLORIDA STATEWIDE LAW ENFORCEMENT RADIO SYSTEM (SLERS)

END OF SECTION 4

# **5.0 SPECTRUM UTILIZATION REQUIREMENTS**

### **5.1 System Configuration Requirements**

# 5.1.1 System Configuration Levels

**A.** <u>State and Wide-Area Systems</u> - Plans for 806-809/851-854 MHz communications systems at a statewide or similar wide-area level will be submitted to and reviewed by the Region Committee for approval with regard to their overall impact on the Region and compliance with the Region Plan.

**B.** <u>County/Multiple-Municipality Systems</u> - The next level of coverage configuration is a county or multiple-municipality area system. Such systems designed to provide countywide or similar communications coverage must demonstrate their need to require such coverage. If trunked radio technology is utilized, the system design should include as many county and/or multiple-municipality public safety radio users as can be managed technically.</u>

**C.** <u>Municipal Level Systems</u> - The smallest configuration level is termed "municipal" and is used to define systems below countywide level. Municipal communications for public safety purposes must provide only the communications coverage needed within its boundaries.

If the total number of mobiles in service does not reach the minimum loading criteria for a municipal trunked system, the municipality must consider utilizing the next higher configuration level if an 800 MHz trunked system is available or planned in the area. As higher-level systems reach loading capacity, the smaller system organizations must consider combining their communications needs into a large consolidated trunked system, or forfeit exclusive use of the limited 806-809/851-854 MHz spectrum.

**D.** <u>Portable-Only (Talk-Around) Systems</u> - This level is considered a subset of the above levels and includes only portable radios operating at no more than 3 watts output power. If approved and licensed, these systems may be operated on a secondary, non-interference basis to primary allotments.

# 5.1.2 Project 25 ID Numbering

Each subscriber radio operating on a P25 trunked radio systems with 800 MHz NPSPAC channels shall be assigned and utilize an individual identification number (commonly called LID or Unit ID) per Florida's Statewide P25 Radio Identification Plan approved by the State Working Group, Executive Committee on September 24, 2015.

### 5.1.3 CTCSS Requirements

All fixed, mobile and portable equipment operating on 806-809/851-854 MHz channels for conventional (non-trunked) use in the Florida-Region are required to utilize a continuous tone-controlled squelch system (CTCSS) in accordance with the latest revision of Telecommunications Industry Association/Electronic Industries Association (TIA/EIA) Standard 603.

#### 5.1.4 Trunking Requirements

All systems operating in the Florida-Region having five (5) or more channels (exclusive of the mutual aid channels) are required to be trunked. The maximum number of conventional channels, which will be assigned, is four (4).

#### 5.1.5 Use of Encryption

The use of encryption on 806-809/851-854 MHz channels is encouraged for those agencies that, as part of their responsibilities, have need to conduct covert operations requiring assurance of communications security. This Region Plan recommends encryption techniques providing high levels of communications security and decoded voice recognition.

Encryption systems in the Florida-Region are encouraged to be of a digital format with the use of an analog/digital conversion techniques having a bit rate not to exceed that compatible with 25 kHz bandwidth channels. Users who must interoperate with Federal agencies in covert operations will be required to use secure communications complying with National Security Agency Standards. Other standards vary according to end-to-end security classification and the use of any particular scheme must be based upon the sensitivity and nature of information to be exchanged. Many Federal agencies that interoperate with State and local agencies, such as the FBI, US Customs, DEA, and the Coast Guard, are required to use encryption meeting the FIP-S42 data encryption standard.

# 5.1.6 Capability for Long-Range Communications

During incidents of major proportions where public safety requirements might include the need for longrange communications in and out of a disaster or mass-casualty area, alternate radio communications plans are to be addressed by lead agencies within the-Region. Incidents addressed in the National Public Safety Plan such as earthquakes, hurricanes, floods, widespread forest fires or nuclear reactor problems could require the need for such long-range communications.

Lead agencies shall establish communications on the national mutual aid channels as a minimum in accordance with Section 6.2. However, additional means such as amateur radio systems, satellite communications, and appropriate emergency preparedness communications systems or other means must be addressed to enable long-range radio communications.

Interfaces for long-range communications may be by any means - automatic or manually controlled direct retransmission, or by simply repeating messages. Such long-range communications capabilities should be incorporated as an integral part of the communications plans of those lead agencies. Such capabilities will provide the means to communicate outside the area not only for themselves but for smaller agencies that may need assistance as well.

### 5.1.7 Public Switched Network Interfaces

The use of radio channels for automatic interface to the public switched telephone network (PSTN) will normally require a significantly longer channel occupancy time than normal two-way radio communications, upon which radio channel loading standards are based. Alternatives to PSTN interfaces, such as cellular telephone systems, will not impact radio systems channel loading.

Recognizing that any agency's reduced after-hours activity and staffing may require automatic access to the PSTN in order to contact personnel who are off-duty, this Region Plan encourages the use of

alternatives to PSTN-interconnect in lieu of dispatch center control of access to the PSTN by not allowing any loading consideration for automatic or manual PSTN interconnect service as justification for the number of channels requested.

### 5.1.8 Federal Interoperability

Interoperability between Federal, State, and Local Governments during both daily and disaster operations will primarily take place on the five mutual aid channels (see Section 6.3). Additionally, through the use of appropriate agreements, a licensee may permit Federal use of a non-Federal communications system. Such use, on other than the mutual aid channels, is to be in full compliance with FCC requirements for federal use of non-federal frequencies<sup>21</sup>.

It is permissible for a licensee to increase channel requirements to account for up to a 2% increase in mobile units, provided that written documentation from Federal agencies supports at least that number of increased units.

#### 5.1.9 Channel Loading Requirements

- **A.** <u>General:</u> For loading purposes, the term "mobiles" includes mobile radios in vehicles and aircraft, portable radios, and radio frequency (RF) control stations. Schedule H, item 33 of FCC Form 601 must contain the quantities of mobiles sufficient to justify the number of channels requested. These mobile quantities must also agree with the quantities shown in the Implementation Schedule (See Section 8.1.3(C)).
- **B.** For systems defined as County/Municipality Systems (Section 5.1.1 (B)), 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 (D) below.
- **C.** 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.
- **D.** *Trunked Systems*: License applications for trunked systems shall be based on 100 mobiles per channel<sup>22</sup> in item 33 of Schedule H on FCC Form 601. Any fraction of 100 mobiles qualifies for one channel, e.g., 400 mobiles qualifies for 4 channels; 401 to 500 mobiles qualifies for 5 channels. 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.
- **E.** *Conventional Systems*: License applications for conventional systems shall be based on 70 mobiles per channel<sup>23</sup> in item 33 of Schedule H on FCC Form 601. Any fraction of 70 mobiles qualifies for one channel, e.g., 140 mobiles qualifies for 2 channels; 141 to 210 mobiles qualifies for 3 channels. Conventional systems are subject to a loss of exclusive use of channels not loaded to 70 mobiles per channel in accordance with FCC Rules § 90.633.

<sup>&</sup>lt;sup>21</sup> See FCC Rules §2.103 "Federal Use of non-Federal Frequencies".

<sup>&</sup>lt;sup>22</sup> See FCC Rules §90.631 for trunked system loading requirements.

<sup>&</sup>lt;sup>23</sup> See FCC Rules §90.625 and 90.633 for conventional system loading requirements.

# 5.2 System Technical Standards

Because of spectrum congestion throughout Florida, the following technical standards for radio equipment used on the 806-809/851-854 MHz channels are required to minimize interference and provide efficient use of the spectrum.

# 5.2.1 Transmitter Standards

A. <u>Transmitters possessed (or on order) on or prior to September 7, 1988</u> may utilize the FCC typeacceptance standards existing at that time for the 806-821/851-866 MHz band with the exception that the transmitter frequency deviation of such equipment must be reduced to +/-4 kHz.<sup>24</sup>

**B.** <u>*Transmitters on order after September 7, 1988*</u> shall be FCC type-accepted for operation in the 806-809/851-854 MHz band, and shall meet all technical standards in FCC Rules and Regulations.

# 5.2.2 Receiver Standards

Although the FCC did not adopt the NPSPAC recommendation for improved receiver standards, a satisfactory channel allotment plan within the Region could not be achieved and maintained without requiring the use of enhanced receivers.

A. <u>Receivers possessed (or on order) on or prior to September 7, 1988</u> are not required to have the 20 dB adjacent offset-channel selectivity as recommended by NPSPAC.

**B.** <u>*Receivers on order after September 7, 1988*</u> shall provide at least 20 dB of protection to the adjacent 12.5 kHz offset-channel signal when tested with the revised method described in the NPSPAC Final Report<sup>25</sup>.

### 5.2.3 Exceptions to Transmitter and Receiver Standards

Mobile and portable equipment operating on the five mutual aid channels<sup>26</sup> must meet all FCC typeacceptance requirements for the 806-821/851-866 MHz band as a minimum, but are exempted otherwise from the requirements of Section 5.2.1 and 5.2.2 above. Fixed station equipment (base, mobile relay, RF control) operating on the mutual aid channels are <u>not</u> exempted.

# 5.2.4 Radio Frequency (RF) Control Stations

RF control stations shall be designed and operated for communication with local stations such as to produce the least potential for interference. RF control stations shall not be designed for communication with remote stations outside the entity's jurisdictional area. Such long-range communications should be achieved through other means such as telephone lines, microwave, or other type of radio control. RF control stations shall:

A. operate on a "secondary basis" to primary stations (i.e., base or mobile-relay, mobile, or portable radio).

<sup>&</sup>lt;sup>24</sup> See Memorandum Opinion and Order on Reconsideration, FCC Gen. Docket No. 87-112, adopted July 20, 1988.

<sup>&</sup>lt;sup>25</sup> See pages 18 & 19 (Technical Design Criteria for Wideband-Offset Equipment) of the Final Report of the National Public Safety Planning Advisory Committee, Gen. Docket 87-112 (September 9, 1987).

<sup>&</sup>lt;sup>26</sup> See Section 6 of this Region Plan.

**B.** employ directional antennas having a front-to-back gain ratio of at least 10 dB.

**C.** be engineered to provide no more than -98 dBm rf signal level at the base station receive antenna terminals.

Approvals for licensing and operation of RF control stations shall stipulate that these stations are continually contingent upon no substantiated complaints of interference to either present or future systems. The Region Committee expects public safety agencies to attempt to cooperatively resolve such problems among themselves. Upon the Florida-Region Committee's confirmation of unresolved complaints, the Region Committee may direct that operation of such RF control stations be discontinued or modified to mitigate the interference.

### **5.3 Relinquishment of Lower Frequencies**

It is anticipated that in all but the most unusual cases, lower frequencies presently utilized by a licensee will be relinquished for reassignment upon implementation of new systems under this Region Plan. Agencies shall not be permitted to attempt a direct reassignment of vacated channels, nor to "farm-down" frequencies to other services within their political structure. The need for communications by such an agency may be outweighed by the needs of another entity.

FCC certified frequency coordinators will be responsible for reassignment of the channels to the various eligible agencies awaiting channels in lower frequency bands. Normal coordination procedures will be followed with these vacated channels.

#### **5.4 Implementation Schedules**

Most eligible public safety organizations are either of State and Local government, or else are subject to governmental regulation. The nature of governmental planning and budgeting processes, combined with difficult revenue constraints, prohibits most agencies from implementing newer technology systems in the normal time required by FCC Rules (8 months for construction of conventional stations, 12 months for trunked stations). In most cases, public safety systems will require multi-year phased-implementation schedules requiring three to five times as long to construct as private or commercial systems. Regional, wide-area, and statewide systems will require even longer periods to construct.

In view of these known situations, this Region Plan establishes an extended implementation schedule in accordance with FCC Rules, which is available to all eligible applicants, if requested by stating "SLOW GROWTH" on the license application. A SLOW GROWTH schedule will allow up to five years for completion of station construction. Applicants who request SLOW GROWTH are not required to submit the specific items of SLOW GROWTH justification normally required by FCC Rules.

### END OF SECTION 5

#### **6.0 MUTUAL AID CHANNELS**

#### **6.1 Definitions**

**A.** <u>Mutual Aid Calling Channel:</u> The frequency pair 851.0125/806.0125 is for mutual aid Calling. It is designated 8CALL90 and is sometimes referred to as the "hailing" channel. It is reused across the State as well as the Nation, so is the same frequency pair for any location. It is used to hail the Network Control Center (NCC) for the area. Fixed repeaters on the Calling channel operate strictly in the repeater-disabled mode. Regardless of location within Florida, at least one dispatch center should hear mobile calls on the Calling channel. This channel may aid the Incident Command System (ICS) process, by use as the coordination channel during times of disasters / emergencies. 8CALL90 should be designated as the Check-In and Tracking channel. Responding Public Safety Aid should check-in with dispatch on this channel upon arrival in the incident area.

**B.** <u>Mutual Aid Tactical Channel #1:</u> The frequency pair 851.5125/806.5125 is for mutual aid tactical use, and designated 8TAC91. It is reused across the State as well as the Nation, so it is the same frequency pair for any location. It is used as a tactical or operational channel when adjoining public safety agencies need to share mutual aid communications over a multi-jurisdictional area. Although this 1st Tactical mutual aid channel normally operates in the repeat-disabled mode, it can be repeat-enabled by the dispatch center for wide-area mobile communications. The 1st Tactical channel is specifically established within Florida to facilitate wide-area mutual aid communications across multiple local jurisdictions. This channel should remain open and used as a last resort, as this channel benefits more than one local area.

**C.** <u>Mutual Aid Tactical channels #2, 3, & 4:</u> Like the 1st Tactical mutual aid channel (8TAC91), a unique frequency pair is assigned to Tactical channels 2, 3, and 4, and designated 8TAC92, 8TAC93, and 8TAC94 respectively. They are reused across the State as well as the Nation, so are the same frequency pairs for any location. They are used as tactical or operational channels when adjoining public safety agencies need to share mutual aid communications over local areas. Although the Tactical channels normally operate in the repeat-disabled mode, they can be repeat-enabled by the dispatch center for wide-area mobile communications. The 2nd, 3rd, and 4th Tactical channels are established in Florida to meet communications needs within local jurisdictions (in contrast to the 1st Tactical channel established for communications across multiple local jurisdictions).

**D.** <u>*Cluster:*</u> A mutual aid "cluster" is a collection of fixed repeaters such that they collectively cover a large geographic area simultaneously, which can be more than one county or city jurisdictional area. A mutual aid cluster may cover all or portions of adjoining counties or cities. Clusters may be constructed in simulcast configurations, or in voted/steered non-simulcast configurations. Because clusters cover such large geographic areas, it is critical that mutual aid repeaters be repeat-disabled when not in active use.

**E.** <u>Primary Network Control Center:</u> A primary Network Control Center (NCC) is normally a county Sheriff's Office dispatch center acting as the answering point for a local mutual aid coverage area or cluster. A primary NCC is responsible for answering the mutual aid Calling channel 24 hours a day, 7 days a week, and assigning the appropriate mutual aid Tactical channel for mobile units, as well as enabling the repeat-enable function of fixed stations if needed.

**F.** <u>Back-up Network Control Center:</u> A back-up<sup>27</sup> Network Control Center (NCC) is normally a State of Florida Dispatch Center (SDC). Each SDC is responsible for a multi-county area that comprises its dispatch jurisdiction, which may encompass multiple primary NCCs.

# 6.2 Design and Implementation of Mutual Aid Channels

# 6.2.1 General Implementation Requirements

A. <u>Region Mobile Relay Coverage</u>: Mutual aid channel stations will be designed to provide wide-area mobile relay coverage and geographically assigned to provide continuous mobile coverage throughout the Region. It is anticipated that mobile relay stations on the Calling Channel and at least one Tactical Channel will be established to provide continuous mobile relay coverage throughout the Region. The establishment of mutual aid channel stations is subject to Region Committee approval to insure sufficient coverage and minimum of interference between stations.

**B.** <u>Coverage Equivalency:</u> Agencies using or implementing systems in the 806-809/851-854 MHz bands and who are implementing one or more mobile relay mutual aid channel stations shall provide coverage on mutual aid channels at least equivalent to the mobile and portable coverage on their non-mutual aid 800 MHz system. This requirement exists for reasons of safety to officers in the field. Stations operating on mutual aid channels are not required to be "simulcast."

If coverage equivalency will not be achieved, then the agency shall outline procedures to overcome the shortcomings of coverage equivalency between mutual aid and non-mutual aid channels, or provide justifications for not meeting coverage equivalency and assume liabilities associated with lack of equivalency.

The most basic form of coverage equivalency occurs when the Calling channel and at least one Tactical channel are implemented in a configuration coverage-wise identical to the non-mutual aid system (i.e., same location, height, and ERP). In the event of one or more different parameters between both systems, then a common method (i.e., FRIP, propagation models, field measurements, etc.) shall be used to generate signal contours for both mutual aid and non-mutual aid system(s) to determine coverage equivalency. Associated contour maps with common method noted shall be provided with the application when the system parameters are not identical.

An agency which plans to utilize a mutual aid channel system which has been (or will be) implemented by others (e.g., a city utilizing an existing countywide mutual aid system) must be aware that the system may not provide coverage equivalency. For example, a countywide mutual aid channel system designed for rural mobile coverage may not provide coverage equivalent to that of a city, which plans a system, designed for in-building portable coverage. In such cases, an agency must either modify or supplement the mobile relay system to achieve equivalency, or else acknowledge the lack of coverage equivalency in its license application.

**C.** <u>*Calling Channel (FCC channel #1):*</u> A watch will be maintained on this channel on a 24-hours-perday, 7-days-per-week basis. Any agency operating one or more fixed stations on 806-809/851-854 MHz in the Florida-Region is required to have the capability to both monitor and transmit on a Calling Channel mobile relay station from its dispatch center. Agencies who do not serve as the Network Control Center (See Section 6.3.2.) for a Calling Channel mobile relay station shall satisfy this requirement by means of

<sup>&</sup>lt;sup>27</sup> The term "back-up" is used as opposed to the term "secondary". The term "secondary" refers to dispatch locations using RF control stations which communicate directly with an NCC or require a repeat-enabled mode to communicate with field units.

an RF control station dedicated to the Calling Channel, or a dedicated wireline (or other approved link) through the Network Control Center. All agencies with Calling Channel capability are required to monitor and be prepared to render assistance on the channel.

**D.** <u>Tactical Channels (FCC channels #39, 77, 115, and 153)</u>: Each major user (5 channels or more) of the 806-809/851-854 MHz spectrum will be required to sponsor, individually or jointly, one or more Tactical Channel mobile relay stations (unless all Tactical Channels have been or will be implemented by others in the same area). Depending upon the needs in an area, it is encouraged that multiple channels be implemented. Talk-around on all four Tactical channels will provide on-scene communications to supplement the local mobile relay and for use in areas where no mobile relay exists.</u>

Any agency operating one or more fixed stations on 806-809/851-854 MHz in the Florida-Region is required to have the capability to both monitor and transmit on all four mutual aid Tactical channels from its dispatch center. Agencies who do not serve as the Network Control Center for one (or more) of these mobile relay stations shall satisfy this requirement by means of separate single-channel RF control station, dedicated wirelines (or other approved links) through the Network Control Center, or some combination of these.

# 6.2.2 State of Florida Implementation of Mutual Aid Channels

The State of Florida has constructed fixed repeater stations on the mutual aid Calling channel and 1st Tactical channel throughout Florida that may be used by all public safety agencies having 800 MHz mobile or portable radio equipment. These channels are established for mutual aid communications in:

- large-scale (multi-jurisdictional) incidents
- situations in which no other mutual aid channel is available
- mutual aid incidents moving across multiple local area jurisdictions

While the State Dispatch Centers will record mutual aid communications on the Calling and first Tactical channels, this function does not relieve local NCC(s) of their responsibility to record communications at their facilities.

# 6.2.3 Florida Interoperability Network

The Florida Interoperability Network (FIN) is a statewide network of VHF, UHF and 800 MHz interagency and interoperable channels and networking facilities for use by all public safety agencies. The network provides four basic functions:

**A.** <u>*Radio Control:*</u> FIN radio control functions benefit all Network Control Centers (see section 6.3.2) by enabling access the 800 MHz mutual aid Calling and first Tactical channel on the Statewide Law Enforcement Radio System (SLERS), as well access to other mutual aid channels statewide that are connected to FIN.

**B.** <u>*Radio Patch:*</u> FIN radio patching capabilities can be used to connect channels/talkgroups of an agency's primary radio system to channels/talkgroups of another radio system, particularly within an overlapping coverage area.

C: *Intercom:* FIN incorporates an intercom capability to allow separate dispatch centers to communicate over non-radio paths.

**D.** <u>*Conference:*</u> FIN incorporates a conferencing capability to allow up to eight (8) dispatch centers to communicate over non-radio paths when necessary for wide-area coordination.

More details on the Florida Interoperability Network are available at:

 $http://www.dms.myflorida.com/business\_operations/telecommunications/radio\_communications\_services/florida\_interoperability\_network\_fin$ 

# 6.2.4 Local Agency Implementation of Mutual Aid Channels

Similar to the State of Florida's implementation of the mutual aid Calling and 1st Tactical channel, local public safety agencies normally provide fixed mutual aid repeaters on Tactical channels 2, 3, and 4 within their respective jurisdictions. Locally constructed mutual aid stations do not cover every local jurisdiction throughout Florida.

In normal operation, the field unit notifies the NCC for assignment of a mutual aid Tactical channel. Each NCC should know where the local mutual aid tactical repeaters are within their jurisdictional responsibility and what area(s) they cover. This will become most important if a second mutual aid incident arises. Coordination between dispatchers to select the correct Tactical channel is vital to each specific incident. These Tactical channels usually cover smaller areas (i.e., a County/City area in comparison to State mutual aid channels). There are not as many overlapping repeaters on these Tactical channels, like that of the State mutual aid channels. Each local agency having implemented the 2nd, 3rd and/or 4th Tactical channel has control of and responsibility for them. Each local agency dispatch center controls the repeat-enable and repeat-disable function in their console.

All mutual aid repeaters must be in the repeat-disabled mode at all times when not in active use. Accordingly, any unit transmitting on the mutual aid channels will be heard by the associated NCCs. This is due to the console design. When two or more field units need to talk to each other on a mutual aid channel the dispatcher will repeat-enable the appropriate repeater. Otherwise, the units will not hear each other. They can only hear the dispatcher. An exception to repeater use will be when two or more field units are in close proximity of each other, which allows mutual aid direct (or talk-around) communications<sup>28</sup>.

If a moving incident takes units into an area where coverage poses a threat and an Agency Helicopter equipped with an 800 MHz public safety radio is assisting in the incident, the ground unit and the helicopter can go onto Direct (or talk-around) mode. The Agency Helicopter can, in turn, relay information between the ground units and the Dispatcher on the repeater channel. The Direct (or talk-around) mode should only be used in accordance with section 6.3.1.

### 6.2.5 Mutual Aid Channel Equipment Requirements

- A. All mobile and portable radios shall be equipped to operate on all five mutual aid channels.
- **B.** All fixed and mobile/portable equipment operating on the mutual aid channels shall use continuous tone-controlled squelch (CTCSS) tone of 156.7 Hz.

<sup>&</sup>lt;sup>28</sup> Dispatchers will not be able to monitor communications during direct or talk-around mode. However, the mobile field units will be able to hear dispatcher transmissions on the repeater, whether repeat-enabled or disabled. Talk-around operation should be done on a case-by-case basis in conjunction with the originating agency commander in charge.

- **C.** Base stations shall be equipped to operate as mobile-relay stations (repeaters) but shall normally operate in the repeat-disable mode until a request for mobile-relay service is received. Each Network Control Center shall be equipped to control the repeat-enable/disable function of all mutual aid channel repeaters for which it serves as the primary control center.
- **D.** Repeat disable default upon power up shall be programmed in each mobile relay station (repeater).
- **E.** Repeater inactivity timer of 180 minutes (maximum) shall be programmed in each mobile relay station (repeater).
- F. Repeater hang time of 2 seconds shall be programmed in each mobile relay station (repeater).

# 6.3 Control and Use of Mutual Aid Channels

#### 6.3.1 Allowable Communications

**A.** <u>General Limitations:</u> The five mutual aid channels are to be reserved for intercommunication in situations requiring the coordination of multiple public safety entities. They shall not be used for administrative or intra-agency communications unless so directed during a disaster situation. They are designed for use between agencies, which have no other common radio communications paths to enable joint operations in emergency or tactical situations. The mutual aid channels are primarily for extraordinary communications between disparate agencies. When a communications function can be considered as routine, repetitive, or covered by an administrative mutual aid agreement, the five channels should not be considered as the primary link between the agencies.

On all mutual aid channels, plain ENGLISH will be used at all times; the use of unfamiliar terms, phrases, or codes is not allowed. Users will be from different agencies, each having their own procedure and protocols. Any attempt to introduce codes would cause confusion, increase risk, and possibly even rejection of the mutual aid channel concept.

**B.** <u>*Eligible Users:*</u> Primary participants using the mutual aid channels include local, state, and federal disaster management agencies, as well as providers of law enforcement, fire, and emergency medical services. If sufficient channels are available, other eligibles in the Public Safety Pool may also participate to the extent required to insure the safety of life and property. In a disaster situation, use of the mutual aid channels may be extended to private volunteer organizations whose functions are in coordination with the local disaster management agency.

**C.** <u>Use of the Calling Channel:</u> The Calling channel shall be used only for initial contact with other entities in the Region who can render mutual assistance during an emergency situation. This channel shall not be utilized as an ongoing working channel. Once contact is made between entities, an agreed upon Tactical or other mutual aid channel shall be used for continued communications. Talk-around is not allowed on the Calling channel; except for scene communications by the Incident Commander or convoys en route to and from a disaster.

**D.** <u>Use of the Tactical Channels:</u> The four Tactical channels are reserved for use by entities requiring continuing interagency mutual aid communications. Incidents requiring multi-agency participation will utilize these frequencies as directed by the controlling agency having the responsibility for an incident or area of concern. The Tactical channels may be further subdivided into groups for separate use by various public safety services as needed. In a disaster situation, one or more of the Tactical channels may be designated as an intra-agency communications channel. Talk-around is allowed on the Tactical channels.

#### **E.** Examples of Proper Use of the Mutual Aid Channels:

(1) As working channels for multiple fire departments fighting a fire together.

(2) For coordination during a police chase through multiple jurisdictions where the agencies have no other communications link with each other.

(3) For communications during extended joint operations between multiple police agencies such as drug operations, riots, etc.

(4) For coordination during recovery operations after a disaster such as a hurricane when local, state, and federal officials require a common communications link.

#### F. Examples of Improper Use of the Mutual Aid Channels

(1) To support the administrative functions of a fire department, which has a mutual aid agreement with an adjacent fire department to provide "move up" capability, when a fire unit leaves its own coverage area.

(2) To provide an extra working channel for a public safety agency supporting a special event.

(3) To provide a surveillance channel for use between members of the same public safety agency.

### 6.3.2 Network Control Centers

Each mutual aid mobile relay station shall be directly controlled by a local Network Control Center under the jurisdiction of the primary Public Safety agency of that county or area. The primary Public Safety agency in each county or area shall be the County Sheriff's Department or Public Safety Department, unless another agency has been designated as a Network Control Center by the Florida-Region Committee with concurrence from the State of Florida, Department of Management Services. The responsibilities of these centers include ensuring responses to calls for assistance from any vehicle or dispatch point within their coverage area. Network Control Centers will coordinate assignments for subsequent use of the Tactical channels for ongoing emergency operations, consistent with the geographic vicinity of the emergency.

A Network Control Center may request unknown field units to identify themselves and their authorization to use the mutual aid Tactical channels. If there is no response, the NCC should call adjoining NCCs to identify the use of the mutual aid channel(s) where communication may be bleeding over. Officer safety may be compromised if the channel(s) are inadvertently disabled or otherwise altered. If unauthorized traffic is occurring, the primary or secondary NCC can disable the repeater to halt its use. The NCC should take follow-up action to ensure future unauthorized is mitigated.

Each Network Control Center must maintain a local map showing locations and contact information for adjoining NCCs and State Dispatch Centers, as well as showing the coverage areas and configurations of mutual aid fixed stations within the area.

#### 6.3.3 Assignment of Control

In a disaster situation, the use of one or more Tactical channels may be dedicated by the local Network Control Center to a specific function determined necessary for management of the immediate situation. Dedicated assignment of mutual aid channels is subject to the approval of the local Emergency Operations Center, the State of Florida Division of Emergency Management, the State of Florida Department of Law Enforcement, or the Department of Management Services, as determined by statutory authority<sup>29</sup>.

When a state of emergency is declared by the Governor under the provisions of Florida Statutes referenced in the foregoing footnote, the State of Florida may take over the Calling channel and 1st Tactical channel for State law enforcement operations and act as a temporary Network Control Center for the duration of the declared emergency.

# 6.3.4 Technical Limitations on Mutual Aid Channels

A. <u>Encryption</u>: Transmissions on the Calling Channel shall not use any means of encryption or other selective signaling techniques.

Due to the nature of communications on the four Tactical channels, the ability to operate securely on these channels would both protect and enhance such operations in some circumstances. Since there is no common standard for encryption among manufacturers however, this Region Plan does not require that any equipment on the four Tactical channels be capable or otherwise equipped for secure speech communications. Those agencies who do require secure voice interoperability with other agencies outside their normal channel operations will be expected to provide the compatible equipment necessary for their mutual needs, but such that non-encrypted communications from either fixed or mobile stations of other agencies are not restricted.

During a disaster situation, communications on the mutual aid channels designated for disaster relief operations shall not be encrypted.

**B.** <u>*Telephone Interconnect:*</u> Telephone interconnect (i.e., telephone patching) shall not be allowed on any of the mutual aid channels. Telephone interconnect seizes the channel for the duration of the telephone call and tends to be more lengthy than typical radio traffic. Therefore, prohibiting telephone interconnect maintains the channel capacity of these channels.

**C.** <u>*Radio Cross-Patching:*</u> Cross-patching shall not be allowed on any of the mutual aid channels, except in accordance with Sections 6.3.2 and 6.3.3 for disaster situations. Cross-patching uses up to twice the channel bandwidth for a single communications exchange and undermines the intent of true interoperability, regardless of whose channels are used (Federal, State, or Local). Therefore, prohibiting radio cross-patching maintains the channel efficiency of these channels.

**D.** <u>Repeater automatic disable requirements:</u> All conventional repeaters operating on frequencies identified in this sub-section shall have an electronic means provided that upon power being applied, or restored, to the repeater, said repeater will be in "repeater disable" mode. As of Amendment #15 of this Plan, licensees of existing stations must certify to the Committee no later than July 1, 2010 that the station(s) under their license are in compliance with this section.

New licensees shall certify that stations being installed under a new coordination approval meet the requirements of this section.

Licensees that fail to certify compliance with this section shall be in default of the Region 9 coordination approval and thusly in violation of any existing license granted under that coordination.

<sup>&</sup>lt;sup>29</sup> Florida Statutes, Chapter 252, entitled "Emergency Management" defines the emergency management powers and duties of the State and political subdivisions. Florida Statutes, Chapter 23, entitled "Florida Mutual Aid Act" establishes the administration of the Florida Mutual Aid Plan by the Florida Department of Law Enforcement.

### 6.3.5 Detailed Procedures for Use of Mutual Aid Channels

#### A. Calling Channel (8CALL90) Procedures

(1) The Calling channel shall be left in the repeat-disabled mode at all times.

(2) Any 800 MHz radio user may hail on the Calling channel.

(3) It is the responsibility of the primary Network Control Center (NCC) to respond to the unit that is calling.

(4) If the primary NCC is unable to respond to a hail on the Calling channel, the back-up NCC (usually a State of Florida dispatch center) will respond to the unit that is calling. Other NCCs may participate as necessary.

(5) The Calling channel shall be monitored at all times, 24 hours a day, 7 days a week by the primary and back-up NCCs.

#### **B.** <u>Tactical Channel #1 (8TAC91) Procedures</u>

(1) The channel must be in the repeat-disabled mode when not in active use.

(2) When a unit hails on the Calling channel and it is determined that a large-scale (or multi-cluster) mutual aid incident is going to take place, or that no other Tactical channel is appropriate or available, the dispatcher will advise the units involved to select 8TAC91.

(3) The NCC will repeat-enable the 8TAC91 repeater if required for unit-to-unit communications.

(4) When the incident is over or requires communications through another site or cluster, the NCC will repeat-disable the original repeater in conjunction with the adjoining NCC repeat-enabling subsequent repeaters as necessary.

(5) The primary NCC can request assistance from a State Dispatch Center to repeat-enable or repeatdisable the 8TAC91 repeater as necessary.

(6) The NCC shall coordinate in advance with the adjoining primary NCC when a moving incident is anticipated to require communications on 8TAC91 in the adjoining cluster.

(7) The mobile field unit must notify the NCC once the assigned Tactical channel is no longer needed.(8) The NCC must ensure that any repeater no longer in active use is repeat-disabled so that it is available for the next assignment.

(9) Direct (or talk-around) communications on Tactical channels may be used when two or more units are in close proximity of each other.

# C. Tactical Channels # 2, 3, & 4 (8TAC92, 8TAC93, 8TAC94) Procedures

(1) The channels must be in the repeat-disabled mode when not in active use.

(2) When a unit hails on the Calling channel, the dispatcher will advise the units involved to select the appropriate Tactical channel.

(3) The NCC may repeat-enable the assigned tactical repeater as required for unit-to-unit communications.

(4) When the incident is over or requires communications through another site or cluster, the NCC will repeat-disable the original repeater in conjunction with the adjoining NCC repeat-enabling subsequent repeaters.

(5) The NCC shall coordinate in advance with the successive primary NCC when the moving incident is anticipated to require communications on a Tactical channel in the adjoining cluster as necessary.

(6) The NCC controls the activity for the duration of the incident on the Tactical channel assigned.

(7) The mobile field unit must notify the NCC once the assigned Tactical channel is no longer needed.

(8) The NCC must ensures that any repeater no longer in active use is repeat-disabled so that it is available for the next assignment.

(9) Direct (or talk-around) communications on Tactical channels may be used when two or more units are in close proximity of each other.

#### D. State Assistance/Control Procedures

Assistance/control from the State Dispatch Center (SDC) may be requested under the following conditions:

(1) The moving incident can no longer be operated or monitored by the originating agency and the primary NCC cannot hand over the incident to the successive primary NCC of the moving incident, or

(2) The incident (moving or stationary) is such that it would benefit from assistance or control of the  $SDC^{30}$ .

(3) Sufficient lead-time and briefing for the SDC is provided.

(4) Given 1, 2 and 3 above, the SDC will assume control of the mutual aid channel as the Lead Dispatcher throughout the remaining duration of the incident.

(5) The SDC will repeat-enable and repeat-disable the mutual aid repeater as the moving incident moves in & out of the repeater areas or clusters.

(6) The SDC may invoke "supervisory takeover" as the Lead Dispatcher, which will inhibit transmitting as well as the repeat-enable/disable functions by the primary NCC of each respective cluster.

(7) Control handed over to the SDC will carry over to any successive NCC areas without the need to re-acquire control from successive NCC areas.

(8) The SDC will relinquish control when mutually beneficial to the incident, the SDC, and primary NCCs.

#### 6.4 Mutual Aid Channels in Other Bands

The frequencies shown in Table VI are used throughout Florida for mutual aid. These are described in more detail in other radio communications plans maintained by the State of Florida Department of Management Services, which are available at:

http://www.dms.myflorida.com/business\_operations/telecommunications/radio\_communications\_s ervices/radio\_communications\_plans

FREQUENCY	CTCSS	PRIMARY USE	
39.10/39.10	156.7	Emergency Management	
39.18/39.18	156.7	Emergency Management	
45.86/45.86	156.7	Law Enforcement Emergency (LLAW3D)	
154.265/154.265	none	Fire Mutual Aid (VFIRE22)	
154.280/154.280	none	Fire Mutual Aid (VFIRE21)	
154.295/154.295	none	Fire Mutual Aid (VFIRE23)	
154.950/154.950	none	Law Enforcement Emergency (Sheriff's Net / All Points)	
155.340/155.340	none	Medical Resource Coordination (VMED28)	
155.370/155.370	none	Law Enforcement Intercity	
460.275/465.275	none	Law Enforcement Emergency	
463.175/463.175	167.9	EMS Medical Resource & Scene Coordination (MED8)	
463.175/468.175	167.9	EMS Medical Coordination (MED8)	
854.6375/809.6375	210.7	Florida Mutual Aid Channel (MA-FLA)	

# Table VI – Statewide Emergency/Mutual Aid Frequencies

## END OF SECTION 6

<sup>&</sup>lt;sup>30</sup> Various mutual aid clusters throughout the Statewide Law Enforcement Radio System are in "voted/steered" configurations which have manual override functionality at the State Dispatch Centers.

### 7.0 COVERAGE AND INTERFERENCE PROTECTION STANDARDS

The following standards are established to provide uniform measures of co-channel and offset-channel interference protection to all systems within Region 9, as well as to limit powers and antenna heights to provide for maximum re-use of channels.

These coverage and interference protection standards do not apply to stations on the mutual aid channels. The design and implementation of mutual aid channel systems shall be approved on a case-by-case basis.

## 7.1 Definitions

A. <u>*Florida-Region Interference Program (FRIP):*</u> This is a publicly available computer program and database to be used for coverage and interference analysis of proposed stations within Region 9 (Florida). The program and its databases are available at:

http://www.dms.myflorida.com/business\_operations/telecommunications/radio\_communications\_s ervices/radio\_communications\_plans/florida\_region\_9\_plan\_for\_public\_safety\_radio\_communicat ions

It is the applicant's responsibility to ensure that the latest version of FRIP and its databases are used when preparing applications.

The FRIP program and its databases are designed and maintained by the State of Florida, Department of Management Services in conjunction with the Region 9 Committee. FRIP uses the Okumura propagation model with suburban environment for all propagation calculations, and incorporates a U.S.G.S. three (3) arcsecond terrain elevation database.

The FRIP program is designed as a generalized interference model only for management of spectrum allotments within Region 9, and *is not intended for the design of systems*. The program does not take into account many variables necessary for the detailed engineering and tailoring of individual system coverage designs.

**B.** <u>Protected Service Area Contour:</u> The Protected Service Area Contour (PSAC) of a base station is the +40 dBu<sup>31</sup> signal strength contour as calculated by FRIP. The geographical extent of the PSAC is limited to no more than three (3) miles beyond the boundary of the entity's legal jurisdiction. In order to allow for practical system design, the 3-mile limit may be exceeded when justified and approved on a case-by-case basis, and provided that the interference protection criteria to other existing systems or allotted channels is maintained.

Systems of four (4) or fewer channels operating in the conventional mode that do not meet FCC loading standards may be required to share the channels on a non-exclusive basis. For these systems, the Protected Service Area Contour shall not be protected from the Co-Channel Interference Contour of other systems, although they shall be protected from other Offset-Channel Interference Contours.

**C.** <u>*Co-Channel Interference Contour:*</u> The Co-Channel Interference Contour (CCIC) is defined as the +14.4 dBu contour as determined by FRIP. The Co-Channel Interference Contour of undesired stations shall not intersect the Protected Service Area Contour of desired stations in cases where the stations both use the same

<sup>&</sup>lt;sup>31</sup> +40 dBu is approximately 4.75 uV across 50 ohms at 830 MHz.

#### FLORIDA REGION 9 PLAN – Section 7 - COVERAGE AND INTERFERENCE PROTECTION STANDARDS

channel. This standard will provide at least a 25.6 dB ratio of co-channel protection to and from mobile stations located on or within a Protected Service Area Contour.

**D.** <u>Offset-Channel Interference Contour</u>: The Offset-Channel Interference Contour (OCIC) is defined as the +33.3 dBu contour as determined by FRIP. The Offset-Channel Interference Contour of undesired stations shall not intersect the Protected Service Area Contour of desired stations in cases where the stations use channels separated by 12.5 kHz. When combined with the 20 dB receiver selectivity requirement of Section 5.2.2, this standard will provide a 26.7 dB ratio of 12.5 kHz offset channel protection to and from mobile stations located on or within a Protected Service Area Contour.</u>

**E.** <u>*Cardinal Radials:*</u> Radials extending outward from a station location at each 45 degrees of azimuth starting at True North.

**F.** <u>Average Terrain Elevation</u>: The average of ground elevations above mean sea level (AMSL) taken between two (2) and ten (10) miles along a radial, as calculated by FRIP. Calculations for height above average terrain (HAAT) use the "composite average terrain elevation" defined below. Calculations of potential interstation interference in specific directions use average terrain values generated by cubic-spline of the cardinal radial average terrain values. For stations located within Palm Beach, Broward, Miami-Dade, Collier, and Monroe counties, FRIP assumes average terrain elevations of 10 feet AMSL.

**G.** <u>*Composite Average Terrain Elevation:*</u> The composite average of eight average terrain elevations taken along the cardinal radials, as calculated by FRIP.

**H.** <u>Site Elevation</u>: The ground elevation AMSL at a base station location. Site elevations used in coverage and interference calculations must agree with Antenna Structure Registration (ASR) data for the site. If no ASR data exists, the site elevation shall be determined by GPS measurement or the most current U.S.G.S. 1:24,000 or better topographic data.

**I.** <u>*Height Above Average Terrain (HAAT):*</u> The height above ground of the center of radiation of a base station antenna plus the site elevation minus the composite average terrain elevation, as calculated by FRIP.

#### 7.2 Coverage and Interference Calculations

The FRIP program allows applicants to enter station and channel information for proposed systems. The applicant's data is then analyzed with respect to all other licenses and channel pools within the Region to determine if the interference standards are met. For each proposed channel, FRIP will determine:

**A.** Distances and azimuths between the proposed station and co-channel (or offset-channel) stations that may potentially cause or receive interference.

**B.** Distances from the proposed station to its own Protected Service Area Contour (PSAC). FRIP provides this data:

- (1) For each 10 degrees of azimuth.
- (2) In the direction of each co-channel and offset-channel station.
- (3) On a graphical map display within the program.
- (4) In an exported data file that may be used to prepare the +40 dBu contour map required in Section 8.2.2.

C. Distances from other existing or pooled co-channel (or offset-channel) stations to their PSACs.

**D.** Distances and signal levels from the proposed station to the PSAC of other co-channel (or offset-channel) stations.

**E.** Distances and signal levels from the co-channel (or offset-channel) station to the PSAC of the proposed station.

**F.** For the point of intersection of the interstation radial and each PSAC (in both directions):

- (1) The field strength of the undesired signal in dBu.
- (2) The ratio (in decibels) of the desired and undesired field strengths.

Following the above calculations, FRIP advises the user as to whether or not the proposed station meets Region 9 interference criteria. If the standards are not met, FRIP provides detailed information in each specific case such that the system designer may further tailor the proposed system parameters. Applicants shall continue this process until interference standards are met.

## 7.3 Antenna Gains and Patterns

FRIP allows proposed antennas to be either omni-directional, or directional to any extent. For directional antennas, FRIP requires that the entire horizontal gain pattern be entered as part of the proposed station data, which is a larger set of data than that required on FCC application forms.

Directional antenna gain data is entered into FRIP for each ten (10) degrees of azimuth. FRIP allows the basic antenna pattern to be rotated as necessary for the desired system coverage. FRIP calculations of potential interstation interference use values of directional antenna gain obtained by cubic-spline of the basic antenna pattern combined with its rotational position.

To ensure that proposed directional antenna patterns realistically reflect the actual gains, FRIP users must provide antenna gain data based on either:

- A. Polar diagrams (plots) of horizontal gain obtained from the antenna manufacturer, or
- B. Data files of horizontal antenna gain values obtained from the antenna manufacturer, or
- **C.** Field measurements of horizontal antenna gains.

In the case of "down-tilt" antennas (whether omni or directional), users may utilize the lesser horizontal gain of such antennas in FRIP, rather than the larger down-tilted value(s). This will result in a reduction of interstation potential interference as calculated by FRIP.

## 7.4 Antenna Height and ERP Limits

Base station HAAT and effective radiated power (ERP) shall be no greater than 500 feet (152 meters) and 500 watts (+27 dBu) respectively. These are maximum values, and applicants are required to provide adequate justification for the actual power levels and antenna heights proposed.

END OF SECTION 7

#### **8.0 APPLICATION PROCEDURES**

#### 8.1 General Application Requirements

Applications for frequencies in the 806-809/851-854 MHz band shall be prepared in accordance with applicable FCC Rules, frequency coordination procedures, as well as with requirements of the Florida-Region 9 Plan.

#### 8.1.1 Where to Submit Applications

Completed applications shall be submitted to the Chairman of the Florida-Region 9 Committee or the Chairman of the local Subregion Committee (if established) who will then review and forward applications to the Region Committee Chairman. Refer to the list of Chairmen's names and addresses in Table I.

Information regarding active local Subregion Committees may be obtained from Region 9 Committee members or from the State of Florida Department of Management Services (DMS). Applications received by the Region Committee or by DMS, which show no evidence of Subregion review (where required), shall be forwarded to the local Subregion Committee without further action.

Following application approval by the Region 9 Committee, a copy of the application will be retained by DMS. The original application will then be returned to the applicant with instructions to send the application to a certified FCC-certified frequency coordinator accompanied by payment of the required fees. DO NOT send any payment with the initial application to the Subregion, Region-9 Committee, or the Department.

#### 8.1.2 Forms to be Used

Applications shall be submitted using the latest version of the appropriate FCC form(s) and any supplementary form(s) required by the FCC-certified frequency coordinator. Each application submitted to the Subregion, Region 9 Committee or the Department shall include all supplementary documentation and exhibits as required by this Plan.

Copies of the necessary FCC forms and instructions can be obtained at:

http://wireless.fcc.gov/index.htm?job=forms\_and\_fees

General assistance in completing applications may be obtained by written request to:

Mr. Akram Mckee Public Safety Radio Services Section State of Florida Department of Management Services 4030 Esplanade Way, Suite 135 Tallahassee, Florida 32399-0950 (850) 922-7419 akram.mckee@dms.myflorida.com

# 8.1.3 Supplemental Information to be Submitted

The following supplemental information shall be submitted for each application for non-mutual aid base or mobile-relay systems.

**A.** <u>Statement of Need:</u> A statement of need for utilizing 806-809/851-854 MHz frequencies. The statement should describe in general the system configuration, types of users, coverage area, and the improvements anticipated by implementation of the proposed system.

**B.** <u>Budgetary Commitment:</u> A showing that a budget commitment has been made by the jurisdiction responsible for implementation of the proposed system.

**C.** <u>Schedule:</u> A schedule of implementation milestones by month and fiscal year showing estimated dates of procurement activity and system implementation, including dates and quantities of mobile station implementation. If a "slow growth" construction schedule is needed, applications must clearly indicate "SLOW GROWTH" on the application. If a station construction or loading schedule longer than allowed by this Plan and FCC Rules is required, the application must include a Request for Waiver for such an additional extension of time.

**D.** <u>Conventional Voice applications:</u> For conventional (non-trunked) systems, a statement explaining why the proposed system cannot or should not be on a lower band or consolidated with other systems into a more spectrum-efficient trunked system covering the same or larger geographic area.

**E.** <u>Non-Voice applications:</u> If a proposed conventional (non-trunked) channel is to be used for mobile data, automatic vehicle location, or other non-voice signaling, explain why the proposed operation cannot or should not utilize lower-band frequencies.

**F.** <u>*Mutual Aid Channel compliance:*</u> An explanation of implementation and operational plans to establish compliance with the mutual aid channel requirements of Section 6 of this Region Plan.

**G.** <u>System Interoperability:</u> An explanation as to how system interoperability will be achieved between the proposed system and public safety agencies using other frequency bands.

**H.** <u>Existing FCC licenses:</u> A list by callsign of each FCC license for all radio frequencies, in all radio services, which are currently licensed to or applied for by the applicant within 40 miles (64 km) of each proposed site. This information must correlate to the plans for frequency relinquishment (or retention) in the following paragraph.

**I.** <u>*Frequency Relinquishment and Retention:*</u> For each existing (or applied for) frequency to be relinquished, the application must include a schedule for relinquishment. For each existing (or applied for) frequency proposed to be retained, the application must include a justification as to why the frequency must be retained rather than relinquished for use by other entities.

**J.** <u>Project 25 ID Numbering</u>: An explanation of implementation and operational plans to establish compliance with the Project 25 ID Numbering Plan.

## 8.2 Technical Application Requirements

All applications shall contain all technical information required by the FCC and the frequency coordinator as well as the following information necessary to fully describe the proposed system.

# 8.2.1 Florida-Region Interference Program (FRIP) Data

Each application for a base or mobile-relay system shall include an electronic copy of the FRIP files (.FRP and .ANT) associated with the proposed system. The values in each file must correspond to the related values on the FCC and frequency coordinator forms.

The FRIP program displays whether or not proposed stations satisfy the interference protection standards defined in Section 7 of this Region Plan. Applicants must utilize the latest versions of the FRIP program and Region 9 database files to ensure that their results will correspond with those of the Region 9 Committee and DMS.

# 8.2.2 Jurisdiction and Contour Drawings

Each application shall include a graphical drawing or map showing the boundary of the applicant's legal jurisdiction, and the complete +40 dBu PSAC contour of the proposed station (or stations). The FRIP program generates a +40 dBu contour file that may be imported into mapping software such as Delorme<sup>®</sup> StreetAtlas.

# 8.2.3 Antenna System Parameters

(1) <u>Antenna System Vertical Profile Drawing</u>: Each application shall include a vertical profile drawing showing the overall antenna supporting structure (tower, building, or other) detailing the height of both the tip and center of radiation of the proposed antenna, the ground elevation. Heights shall be in terms of elevation above-mean-sea-level (AMSL), or elevation above-ground-level (AGL).

(2) <u>Horizontal Antenna Configuration</u>: Each application shall include a drawing or description of the antenna horizontal position relative to its supporting structure. For side-mounted antennas, include the dimensions of the supporting structure (tower face width, tower leg diameter, etc.) and the distance between the antenna and structure supporting it.

# 8.3 Applications for Special Temporary Authority

Applications for Special Temporary Authority (STA) must comply with the same requirements of this Region Plan as are required for regular applications. However, STA applications are to be filed directly with the FCC either by hardcopy or via the Universal Licensing System (ULS) instead of through a certified frequency coordinator. STA applications filed with the FCC must contain a copy of the Region 9 Chairman approval following review by the Subregion, Region 9 Committee, and DMS.

Because the review process of applications for Special Temporary Authority (STA) is not as comprehensive as it is for the regular applications, the required documentation for the STA applications is appreciably less. The table in Appendix G identifies the submittal requirements for STAs in contrast to regular applications (i.e., forms and FRIP).

If the FCC license granted for Special Temporary Authority is to be later converted into a regular license, it is the licensee's responsibility to follow up the STA application with a new regular application to the Region 9 Committee for a permanent license. Regardless of the STA, a new application shall be subject to meeting the requirements of this Plan.

# 8.4 Applications for Portable-Only (Talk-Around) Systems

For portable-only (talk-around) applications, a letter of concurrence from each affected primary agency will be accepted for co-channel operation in lieu of a satisfactory interference study. The letter shall be on the affected primary agency's letterhead, state concurrence for the applicant to operate on the affected agency's co-channel frequencies, list the frequencies, and be signed by the affected agency's authorized signer.

In the absence of a letter of concurrence, the Region 9 Committee and DMS will attempt to identify a suitable frequency that meets the Region 9 interference standards. If such a frequency is identified and the final application approved by the Region 9 Committee, DMS will enter the appropriate information into the Region 9 channel allotment database which will make other applicants aware of the portable-only system.

The applicant for a portable-only system must be aware that the Region 9 approval is for "secondary use," and that there is no long-term assurance of channel exclusivity, particularly in channel-congested areas.

END OF SECTION 8

# LIST OF APPENDICES (intentionally omitted and kept on file, except App. F and G)

#### A. Florida-Region Convening Meeting:

Public Notice Advertisement Published Agenda Official Minutes and Attendee List Initial Members of the Florida-Region Committee Florida APCO Frequency Advisors List of Notified Florida Administrative Weekly Subscribers List of Notified County Administrators List of Notified City Clerks/Managers List of Notified Hospitals and Trauma Centers List of Notified Emergency Medical Service Providers List of Notified Medical Associations List of Notified Interested Parties

#### **B.** Florida-Region Committee Meetings:

Agenda, Minutes, and Attendee List - May 5, 1988 Agenda, Minutes, and Attendee List - June 2, 1988 Agenda, Minutes, and Attendee List - April 10, 1989 Agenda, Minutes, and Attendee List - October 5, 1989

#### C. Florida Subregion Committee Members and Meetings:

Subregion 1:	Public Notice of Committee Meeting	
	Subregion Committee Members	
Subregion 2:	Public Notice of Committee Meeting	
	Subregion Committee Members	
Subregion 3:	Public Notice of Committee Meeting	
	Subregion Committee Members	
Subregion 4:	Public Notice of Committee Meeting	
	Subregion Committee Members	
Subregion 5:	Public Notice of Committee Meeting	
	Subregion Committee Members	
Subregion 6:	Public Notice of Committee Meeting	
	Subregion Committee Members	
Subregion 7:	Public Notice of Committee Meeting	
	Subregion Committee Members	

#### D. Florida-Region 800 MHz Survey

E. Florida Population Data

Appendix F: Adjacent Region Concurrence with the Florida-Region Plan

Alabama

# Georgia

# Mississippi

END OF APPENDIX F

# **Appendix G: Region 9 Application(s) Submittal Requirements**

All Region 9 applications shall contain the technical information and the required documentation per the Florida-Region 9 Plan to fully describe the proposed system that must be reviewed. Because the review process of applications for Special Temporary Authority (STA) is not as comprehensive as it is for the regular applications, the required documentation for the STA applications and for the regular applications are different. The following table indicates which documentation are required for such applications where marked by (x).

Applications		DESCRIPTION	<b>SECTION</b>
STA	Regular		
	х	Where to Submit Applications	<u>8.1.1</u>
Х	Х	Forms to be used	<u>8.1.2</u>
	Х	Statement of Need	<u>8.1.3 (A)</u>
	Х	Budgetary Commitment	<u>8.1.3 (B)</u>
	Х	Implementation Dates	<u>8.1.3 (C)</u>
	Х	Lower Band Explain	<u>8.1.3 (D)</u>
	Х	Lower Band Explain	<u>8.1.3 (E)</u>
	Х	Mutual Aid Compliance	<u>8.1.3 (F)</u>
	Х	Interoperability Explanation	<u>8.1.3 (G)</u>
	Х	FCC Licenses Within 40 miles	<u>8.1.3 (H)</u>
	Х	Relinquishment Dates	<u>8.1.3 (I)</u>
	Х	Technical Content of Applications	<u>8.2</u>
Х	Х	Interference Studies – FRIP Data	<u>8.2.1</u>
	Х	Protected Service Area Contour Drawings	<u>8.2.2</u>
	X	Antenna System Parameters	<u>8.2.3</u>
	X	Vertical Profile Drawing	<u>8.2.3 (1)</u>
	X	Horizontal Antenna Configuration	<u>8.2.3 (2)</u>

END OF APPENDIX G