



NPSPAC

Region 39, Tennessee

NPSPAC 800 MHz Region 39 Planning Advisory Committee
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April 8, 2009

Federal Communications Commission
Public Safety & Homeland Security Bureau
445 12th Street, SW
Washington, DC 20554

Subject: PR Docket 93-58
DA 09-212 Streamline Modification

Dear Sirs:

On behalf of Region 39 NPSPAC Regional Planning Committee, please accept this submission of the Region 39 Plan modification per the FCC Public Notice DA 09-212, to bring our Plan into conformity with the new 800 MHz Band Plan.

We are submitting this modification with only rebanding related changes to the frequency allotments and narrative that required changes due to the 800 Band Plan modifications as well as adding the Region By-Laws to the Plan.

If you have any questions regarding the Region 39 Plan, please contact me at 615 741 3826 or email me at jjohnson@tnema.org.

Respectfully Submitted,



John Johnson
Chairman, Region 39

PUBLIC SAFETY 800 MHz RADIO COMMUNICATIONS PLAN FOR NPSPAC REGION 39 THE STATE OF TENNESSEE

(PR Docket 93-58)

Updated 4-8-09



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1.0 SCOPE

1.1 Introduction

In December of 1983, the United States Congress directed the Federal Communications Commission (FCC) to establish a plan to ensure that the communications needs of state and local public safety authorities would be met. By their regular means of initiation, the FCC began the process of developing such a plan. Through their efforts, and the efforts of the National Public Safety Planning Advisory Committee (NPSPAC) the plan was begun.

The National Public Safety Planning Advisory Committee provided an opportunity for the public safety community and other interested members of the public to participate in a total spectrum management approach by recommending policy guidelines, technical standards, and procedures to satisfy public safety needs for the future. After consideration of NPSPAC's Final Report and comments filed in Docket No. 87-112, a Report and Order was released by the FCC in December 1987, which established a structure for the National Plan that consists of guidelines for the development of regional plans.

The National Plan provides guidelines for the development of regional plans. The particulars of this plan are found in FCC 87-359, which contains the required steps and contents for regional plan development. It is on this document that this plan is developed.

1.2 Purpose

Public safety communications has, for many years, been inadequate throughout the United States. This is as true for Tennessee as it is for any other state. Many, if not all, public safety radio users are constantly bombarded with outside interference, noise, and over crowding. It is with these problems in mind that this plan was developed.

This regional plan was developed with the objective of assuring all levels of public safety/public service agencies that radio communications in the near and distant future will not suffer from the problems of the past. The allocation of frequencies was done in as equitable a way as possible. The goal was to supply a pool of frequencies for each county and a pool for state agency use with adequate reserve allocations for future needs in all areas, and a method to appeal initial allocations based on need.

The National Plan, as developed by NPSPAC, was followed very closely in all considerations for frequency allocation, reuse, turn back, regional interoperability, spectrum requirements and adjacent region operations. This plan should provide the flexibility to accommodate the growth and changes that are bound to occur in public safety and public service communications operations long into the future.

2.0 AUTHORITY

2.1 Regional Planning Committee

The development of the Public-Safety Radio Communications Plan for Region 39, the State of Tennessee, has followed the requirements of the FCC's Report and Order as issued concerning General Docket 87-112.

In accordance with the FCC's Report and Order 87-112, the Associated Public-Safety Communications Officers Inc. (APCO) recommended to the Commission the appointment of a "Convenor" for Tennessee Region 39. The Convenor served as the coordinator for the assembly and formation of the planning committee.

Participants in the formation of the Regional Planning Committee represent interested parties from both the Public Safety and Special Emergency Radio Services. A total of seventy two individuals have participated in the development process. The list herein contains the names, organizational affiliations, mailing addresses and phone numbers of all members of the Regional Planning Committee.

The committee was selected by attendance at the planning meetings. Each member of the Committee representing an eligible licensee under the Public Safety Radio Services and the Special Emergency Radio Services was entitled to one vote in all Committee matters. Except as may be provided elsewhere in the Plan, the majority of those present at a scheduled meeting formed a majority for all business. Only the final approval of the plan before submission to the FCC required a vote from more than would be present at a regular meeting. In this case the vote was conducted by mail ballot sent to all those who had participated in the planning process. This way, the finished plan was reviewed and accepted by the widest, within reason, group of public safety/public service users.

2.2 Planning Committee Formation

The process of forming the Planning Committee was conducted in the following steps:

1. Personal interviews were held with the representatives of all major state agency radio users.
2. Presentations concerning the requirements for a regional planning committee were presented and discussed at state organization meetings. At each presentation there was an opportunity for persons to place themselves and/or their agency on the mailing list.
3. A public notice was mailed to each major state agency radio user, those placed on the mailing list, also to state organizations composed of local government level public safety/public service users. Letters were also sent to all members of the Tennessee Chapter of APCO. (See Appendix A).

4. The public notice was sent to all terminals of the Tennessee Information Enforcement System (TIES) for the first planning committee meeting. This first meeting was held at the Days Inn Executive Center, 823 Murfreesboro Road, Nashville, a public facility.
5. The initial chairperson, Joe Gourley, was elected at the first meeting on May 17, 1988. The current chairperson, David Wolfe, was elected at the second meeting at the Jack Spence Motor Hotel, same address, on February 6, 1990.
6. Committee membership was left open to any person or agency that may not have been notified or decided to join the committee later.
7. Vendors participation was encouraged, but vendors were not allowed a vote.

2.3 National Interrelationships

The Regional Plan is in conformity with the National Plan. If there is a conflict between the two plans, the National Plan will govern. It is expected that Regional Plans for other areas of the country may differ from this plan due to the broad difference in circumstance, geography, and population density. By officially sanctioning this plan the Federal Communications Commission agrees to its conformity to the National Plan. Nothing in the Plan is to interfere with the proper functions and duties of the organizations appointed by the FCC for frequency coordination in the Private Land Mobile Radio Services, but it provides procedures that are the consensus of the Public Safety Radio Services and Special Emergency Radio Service user agencies in this Region. If there is a perceived conflict then the judgment of the FCC will prevail.

2.4 Federal Interoperability

Interoperability between the Federal, State and Local Governments during both daily and disaster operations will primarily take place on the five common channels identified in the National Plan. Additionally, with S-160 or equivalent agreements, a licensee may allow Federal use of a non-Federal communications system. Such use, on other than the five identified common channels, is to be in full compliance with FCC requirements for government use of non-government frequencies (Title 47 CFR, sec 2.103). It is permissible for a non-Federal government licensee to increase channel requirements to account for 2-10 percent increase in mobile units, dependent on the amount of Federal Government Agencies involvement in its area, if written documentation from Federal agencies supports at least that number of increased units.

2.5 Regional Review Committee

Upon approval of this Plan by the Federal Communications Commission, a Region Review Committee will be established for the review of applications that do not fall within the stated guidelines provided for in this plan, or for the settlement of disputes concerning this plan and/or its application.

This committee shall be representative of all eligibles within the region. It shall consist of the Local APCO Frequency Advisor for Tennessee, a state agency representative, one representative each from the Police, Fire, EMS, Transportation, Conservation, and Emergency Management services. A minimum representation from other eligibles is also welcome. This committee and its composition will be assured by the Tennessee APCO chapter and other Public Safety organizations. Membership on this committee will be solicited annually. Since this committee probably will not have regular business, it will be up to the Local APCO Frequency Advisor to notify the committee of problems, conflicts, or when it becomes apparent that spectrum demands will outpace available spectrum. Each member of the committee shall be furnished a copy of this plan upon their appointment or election to the committee.

Working within the scope of this plan, this committee will set policies and procedures to implement and maintain the regional plan. Plan updates shall be accomplished by this committee. All changes or updates to the plan shall be first agreed upon by this committee and then submitted to the FCC for their review and consideration. When approved all changes shall be added to the plan with the appropriate documentation of approval.

This committee shall meet at least once annually to review the implementation of the plan. This review shall consist of examination of all license activity.

3.0 SPECTRUM UTILIZATION

This portion of the Plan provides a basis for proper spectrum utilization. Its purpose is to guide the Local APCO Frequency Advisor and/or the Regional Review Committee in their task of evaluating the implementation of this plan within this Region.

3.1 Region Defined

Region 39 is the State of Tennessee. This region is the result of definition by the Federal Communications Commission because of recommendations made in the National Public Safety Planning Advisory Committee (NPSPAC) plan as submitted and approved and contained in Docket 87-112. For purposes of this plan the State of Tennessee shall be defined as all the lands and waters contained within the boundaries of the State of Tennessee.

3.2 Region Profile (Demographic Information)

The purpose of this section is to provide the basis for the assignment of frequencies, and their reuse. Since the frequency allocation formula used is based on population within a county, it is necessary to provide this information within this plan. Below is the data used in the determination of frequency allocations.

3.2.1 State Of Tennessee Population And Expected Growth Percentage. (See Exhibit A)

The total population of the state is 4,877,185 with about sixty percent urban and forty percent rural residence. The population within developed urban areas is about sixty percent or 2,900,000.

3.2.2 Geographical Description

Geographically, Tennessee is divided into six major natural regions. These areas, east to west, are:

- 1) The Appalachian Mountain region along the North Carolina boarder with Mountain peaks of 3000 to 6000 feet,
- 2) The Great Valley with several long, narrow, even crested ridges running southwest to northeast and elevations of 1200 to 2500 feet,
- 3) The Cumberland Plateau again running from the southwest to the northeast it varies in width from 50 to 70 miles. It covers a total of about 4,260 square miles on a surface that is flat to rolling tableland that rises 800 to 1000 feet above the land on either side.
- 4) The Highland Rim with about 12,650 square miles outlines most of what is known as "Middle Tennessee." In the center of the Highland Rim is the Central Basin. Although the

Highland Rim has a peak of over 2000 feet it has an average altitude of slightly less than 1000 feet. The terrain is "rough plateau" with the roughest parts along the edges of the Central Basin.

- 5) Central Basin is an oval depression that has a gently rolling surface with many small rounded hills that rise 200 to 300 feet above the general level. Terrain varies from about 500 to 1100 feet above sea level.
- 6) The Gulf Coastal Plain of West Tennessee covers all of what is known as West Tennessee with the area from Kentucky Lake and the Tennessee River to the Mississippi River. Generally it is a broad plain whose surface slopes to the west until it ends abruptly at the bluffs overlooking the flood plain of the Mississippi River. Along the eastern edge streams have cut valleys that form a rough topography.

There are ninety five counties in the state with a total land mass of 42,144 square miles. The largest county is Shelby, with a total of 786 square miles. Water areas of significance, are the Mississippi, Tennessee and Cumberland Rivers, Reelfoot Lake (natural), Norris, Watts Bar, Chickamauga, Kentucky and Barkley Lakes (manmade). Tennessee has 477 square miles of water within its' boundaries.

As shown above, the nearly five million population is distributed across forty two thousand square miles of widely varying terrain. This presents some problems in area coverage for radio systems since the entire land area of any given jurisdiction must be covered. The population per square miles in urban areas tends to be dense and in rural areas tends to be sparse. The population distribution and the very diverse geographical features of the state must be carefully considered in communications system planning. All these items were taken under consideration in the allocation plan.

3.3 Usage Guidelines

All systems operating within the Region having five or more channels will be required to be trunked. Those systems having four or less channels may be conventional or trunked.

The FCC, in its Report and Order states, "Exceptions will be permitted only when a substantial showing is made that alternative technology would be at least as efficient as trunking or that trunking would not meet operational requirements. Exceptions will not be granted routinely, however, and strong evidence showing why trunking is unacceptable must be presented in support of any request for exception."

Systems of four or less channels operating in the conventional mode who do not meet FCC loading standards will be required to share the frequency on a non-exclusive basis.

Public Safety communications at the state level, as it affects the Region, will be reviewed by the Committee. State-wide public safety agencies will submit their communications plans for impact approval if they use communications systems within the Region and those portions of

systems must be compatible with the Regional Plan. Blocks of ten frequencies have been identified in each of eight state districts for state-wide use.

The next level of communication coverage will be a county/multiple municipality area. Those systems that are designed to provide area communication coverage must prove their need to require such wide area coverage.

This would apply in a situation such as a city requesting coverage of an entire county. Communication coverage beyond the bounds of a jurisdictional area of concern cannot be tolerated unless it is critical to the protection of life and property. If the 800 MHz trunked radio technology is used, the system design must include as many county/multiple municipality government public safety and public service radio users as can be managed technically.

The county/multiple municipality agency(ies), depending upon systems loading and the need for multiple systems within an area, must provide intercommunications between area-wide systems. In a multi-agency environment, a lead agency using the 800 MHz spectrum, which is an agency or organization having primary response obligations in the geographic area, shall be responsible for coordinating the implementation the Common Channels in this band as mandated by the National Plan. Such implementation must be reviewed and approved by the Local APCO Frequency Advisor and at his/her discretion, the Regional Review Committee.

Municipal terminology often differs. To provide a title for the next level of communications the term city is used to define the level below county-wide. City communications for public safety and public services purposes must provide only the communications needed within its boundaries. However, if the total number of radios in service does not reach minimum loading criteria for a trunked system, that city must consider using the next higher system level if 800 MHz trunked radio is available in the area. As those higher level systems reach capacity, the smaller system communicators in public safety and public service must then consider uniting their communications efforts to formulate one large system or forfeit use of the limited 800 MHz spectrum.

Where smaller conventional 800 MHz needs are requested, those frequencies to be used must not interfere with the region's trunked systems. The 800 MHz trunked radio system is to be considered the higher technology at this time and in greater compliance with FCC guidelines. The amount of interference that can be tolerated depends on the service affected. Personal life and property protection shall receive the highest priority and disruptive interference with communications involved in these services in an area shall not be tolerated. Any co-channel interference within an authorized area of coverage will be examined on a case by case basis by the Regional Review Committee.

3.4 TECHNICAL DESIGN REQUIREMENTS FOR LICENSING

3.4.1 Definition of Coverage Area or Area of Jurisdiction

The coverage area shall be that area for which a system is intended to cover with a receive signal strength of greater than 40 dBu. This area shall normally represent the boundaries of the County or the incorporated municipality that is applying for license. In regional or area-wide, multi-jurisdictional systems, the coverage shall be that area of all jurisdictions participating in the system combined.

3.4.2 System Coverage Limitations

System coverage shall be limited to the coverage area defined as listed above plus no more than five (5) additional miles in all directions extending from the boundaries of definition. This limitation shall assure maximum frequency reuse. The only exception to this rule shall be those applicants wishing to offer service or system use to areas outside their jurisdictional boundaries. In these situations the applicant shall provide a proposal of that service to the Local APCO Frequency Advisor, who may request Regional Review Committee consideration, for approval.

Systems not located within the geographical center of the jurisdiction(s) for which they cover shall use either directional antennas or antenna/tower relationship techniques to achieve the coverage required by this plan.

3.4.3 Determination of Coverage

There are four variables used in finding the area of coverage of a proposed system. These variables are (1) the required strength of the received signal, (2) antenna height above average terrain (HAAT), (3) the effective radiated power (ERP) of the system, and (4) the type of environment.

Received Signal Strength:

For purposes of this plan, received signal strength shall be the deciding factor that defines the actual boundary of a system. The minimum signal level that marks the outer boundary of a system shall be 40 dBu.

Antenna Height:

Shall be the height of the antenna above the average terrain surrounding the tower site.

Effective Radiated Power (ERP):

The ERP is the transmitter output power times the net gain of the antenna system. The actual formula is: $ERP(w) = Power(w) \times Antilog(\text{net gain in dB} / 10)$.

Environment Type:

OKUMURA/HATA METHOD - The Okumura method uses four different classifications to describe the average terrain around a transmitter site or area. The classifications are:

- 1) Urban is a built-up city crowded with large buildings or closely interspersed with houses and thickly-grown trees. This would include the downtown area of a major city.
- 2) Suburban is a city or highway scattered with trees, houses and buildings. This would include the downtown area of a large city.
- 3) Quasi-open is an area between suburban and open areas. This includes areas outside of city limits that have few buildings and houses.
- 4) Open is an area where there are no obstacles such as tall trees or buildings in the propagation path or a plot of land that is cleared of anything for 300 to 400 meters ahead. This would include farm land, open fields, etc.

3.4.4 Annexations And Other Expansions

It is well known that as cities grow, annexations occur. When an expansion of the present city limits of any city currently using an 800 megahertz system within the spectrum as herein specified occurs, it is understood that the existing system may have to be expanded and its range increased. This is a modification and may be permitted. The increased range of the system must be determined at the time of modification to assure non-interference with any other existing system. Where interference is likely, the use of alternative methods of expansion, such as satellite systems, may be necessary. Where more spectrum is not available from the initial allocation, the rules for expansion of initial allocation, as contained in this plan, shall apply.

3.4.5 Coverage Area Description

All applicants shall provide with their applications a map showing the jurisdictional boundaries to be covered by the system, and the calculated system coverage. This map shall display the location of the system transmitter(s), including control stations. It is recommended that a U.S. Geological Survey (USGS) Quad topographical map be used for this purpose. If not available, a high quality locally produced map or a highway map may be substituted. Whatever the type map used, the name of the applicant and the scale of the map shall be displayed on the map.

3.4.6 Reassignment of Frequencies

All agencies participating in the use of the new 800 megahertz spectrum shall prepare and submit a plan for the abandonment of their currently licensed frequencies in the lower bands. These released frequencies shall be available for reassignment to those agencies not migrating to 800 MHz at this time.

These released frequencies shall be returned to the radio service from which it was assigned. These frequencies shall then be available for reassignment by the assignment / coordination criteria in effect for that particular service by the regular FCC authorized coordinator for that service.

Frequencies which are to be abandoned by an agency shall not be handed down to another agency within the respective jurisdiction. Though this may seem a convenient method to reuse existing radio equipment, the reassignment must be handled through the normal process. It is recommended that any jurisdiction wishing to "hand down" frequencies to another agency submit the proper coordination and application forms with the document of release. This will put the applicant in a better posture for reassignment of the frequency in question. It should be noted that though this procedure is followed, there is no guarantee that a particular frequency will be assigned to the returning jurisdiction.

The period allowed for phasing into 800 MHz and out of the lower currently licensed bands will be considered on a case by case basis by the review committee. Generally, one year will be considered acceptable usually, with two years as a maximum. Any agency requiring more than two years shall provide documents stating the reasons for the delay, and give the estimated time of completion.

3.4.7 Unused Spectrum

The frequency sort indicated there were no excess channels.

3.4.8 Adjacent Region Considerations

Coordination with adjacent regions shall be an on-going process until all region plans have been completed. At present, all adjacent regions have been coordinated with and no conflicts have been identified. The adjacent regions with which coordination has been conducted are: Mississippi (Region 23); Alabama (Region 1); Arkansas (Region 4); Georgia (Region 10); Illinois (Region 13); West Virginia (Region 44); Kentucky (Region 17); Missouri (Region 24); North Carolina (Region 31); South Carolina (Region 37); and Virginia (Region 42). (See Appendix C)

As the use of the five National channels is not considered a day-to-day function, the "hard" coordination for these channels is not considered necessary or advisable. The use of these channels will always be on a non-interference basis, with on-the-air coordination at the time of use when required. Any user found to be operating in any manner other than this shall be considered to be operating improperly and subject to the existing Federal Communications Commission rules for willful interference with the communications of other users.

3.5 INITIAL SPECTRUM ALLOCATION

3.5.1 Frequency Sorting Methodology

The initial spectrum allocation for the Region was determined by a computerized frequency sorting process performed by APCO. The purpose of the computer program that assigns frequencies to specific eligibles and to pools for future assignments is two-fold:

- A) The assignments must result in a high degree of spectrum efficiency, and
- B) The assignments must result in a low probability of co-channel and adjacent channel interference.

Since the desired output is a geographic sorting of frequencies, a method of defining geography must be part of the input. A list of the number of channels to be assigned in each geographic area is also required, along with the name of the eligible or pool.

Acceptable interference probabilities are determined for the Region. Frequency assignments are then made using a computer program that satisfies the goals of spectrum efficiency and interference protection. The following narrative describes the factors and process used by the computer program.

3.5.2 Blocked Channels

In the Region there are five mutual aid channels that must be blocked out to prevent the computer from making assignments on these channels. (Since the mutual aid channels are spaced at 0.5 MHz intervals, other Region-wide systems are spaced at 0.5 MHz and placed adjacent to the mutual aid channels. This procedure reduces the impact of blocked adjacent channels by virtue of the fact that the channel plan already has protection spacing on each side of the mutual aid channels.)

These Region-wide blocked channels are identified by FCC channel number, tabulated and they become input to the computer program.

3.5.3 Transmitter Combining

The computer program is designed to provide a minimum frequency separation between any two channels assigned to the same eligible at the same site. This separation is provided to enable more efficient combining of multiple transmitters to a single antenna. These separated blocks of frequencies also have a maximum size. That is, if the eligible has more frequencies than the maximum size of the combining block, then a second compatible block is created, and so on. Each of these parameters is adjustable in the program on a global basis. The default parameters chosen are 0.25 MHz minimum spacing and five channel blocks.

3.5.4 Special Considerations

There are licensees in the 809-810/854-860 MHz spectrum who plan to expand existing systems into the 806-809/851-854 MHz bands. Some existing radio units are unable to operate on 12.5 kHz separated carrier frequencies. The result is that these radios can only operate on "even" FCC numbered channels in the 806-809/851-854 MHz band. The computer program is able to take this into account when making assignments.

3.5.5 Protection Ratios

There are two interference protection ratios built into the computer program. One is for the co-channel case; the other is for the adjacent channel case. The ratios provide 35 dB Desired/Undesired signal ratio for co-channel assignments, and 15 dB Desired/Undesired ratio for the adjacent channel case. These ratios provide an acceptable probability of interference for Public Safety Services.

4.0 COMMUNICATIONS REQUIREMENTS

4.1 Common Channel Implementation

The implementation of the National Common Channels must follow the guidelines as set forth by the Federal Communications Commission by the approval of the National Plan. These five common channels are accessible by all levels of government and shall be used according to the provisions of the National Plan. All mobile and portable equipment must be equipped to operate in the "talkaround mode" when required on the National Channels.

The National calling channel (806/851.0125 MHz) shall be implemented as a full mobile relay. Wide area coverage transmitters will be installed where applicable within a system. Large system users (5 channels or more) of 800 MHz shall be required to monitor this channel at all times. The area of coverage for this channel shall be equal to the area covered by the licensed system. This may or may not require the use of satellite receivers/cell extenders within the area to meet this requirement.

The four National Tactical (8 TAC) Channels will be assigned State-wide, for use as needed by all eligible licensees. These channels are to be used according to the National Plan and in compliance with the regulations as set forth by the Federal Communications Commission. Operation on these channels require no special licensing for mobiles and portables, only that the users be eligible for licensing on the other Public Safety 800 MHz channels as specified in section 90.616 (a) of the FCC Rules and Regulations.

4.1.1 Areas of Operation

The common channels shall be available for use throughout the Region. Base and control transmitters must be individually licensed and operated only from locations approved by the Regional Review Committee.

4.1.2 Operation on the Common Channels

Normally, the five interoperable channels are to be used only for activities requiring inter-communications between agencies not sharing any other compatible communications system. Interoperable channels are not to be used by any level agency for routine, daily operations. In major emergency situations, one or more 8 TAC channels may be assigned by the primary Public Safety Agency within that area of operation. The primary Public Safety agency in each county, if not defined elsewhere in the plan, shall be the County Sheriff's Department or Public Safety Department or the lead agency, which may be any agency licensed to operate in this spectrum, or "on-scene" commander. The primary Public Safety agency shall be the city level Public Safety Department in situations that occur within the corporate limits of that city. These primary agencies will assign one or more of the 8 TAC channels for use according to need during each special situation requiring the use of these channels.

Participants in the interoperable channels include those agencies of Federal, State, and Local government providing life saving emergency communications services. Police, Fire, EMS (providers of Basic and Advanced Life support services) and Emergency Management will be the primary using agencies. If radio channels are available, other services provided in the Public Safety Radio Services and the Special Emergency Radio Services also may participate to the extent required to insure the safety of the public. These agencies include the Transportation Department, Public Service Commission, Forestry, Wildlife and other special service agencies not normally involved in day-to-day public safety operations.

4.1.3 Operation Procedures

On all Common Channels, plain English will be used always, and the use of unfamiliar terms, phrases, or codes will not be allowed.

4.1.3(I) National Calling Channel - 8 CALL90

The 8 CALL 90 channel shall be used to establish contact with other users in a particular Region that can render assistance at an incident. This channel shall not be used as an ongoing working channel. Once contact has been established between agencies, an agreed upon 8 TAC or mutual aid channel shall be used for continued communications.

4.1.3(II) National Tactical Channels - 8 TAC 91 – 8 TAC 94

These frequencies are reserved for use by those agencies involved in inter-agency communications. Incidents requiring multi-agency participation will use these frequencies as directed by the control agency assuming responsibility for an incident or area of concern. These frequencies may be subdivided according to function in an incident or by geographical location in response to an incident. It is recommended that the following assignments for 8TAC 91 through 8TAC 94 be used when possible.

8 TAC 91	Law Enforcement
8 TAC 92	Fire Services
8 TAC 93	Emergency Medical Services
8 TAC 94	Command and Control

4.1.4 Coded Squelch

All equipment capable of operating on the five (5) common channels shall be equipped with the National Common Tone Squelch of 156.7 Hz. Mobile relays on these channels, if authorized, may use additional tone or digital squelch codes for selecting individual mobile relay stations, provided the National Common Tone Squelch Code is used on the output. If such an arrangement is used, provision also must be made for certain centralized, high level sites to be activated by the 156.7 tone to ensure emergency access by transient units.

4.2 Network Operating Methods

Communications systems on 8 TAC 91 through 8 TAC 94 will be implemented by agencies who volunteer on a distributed coordinated basis. Every primary geographic section of the Region is intended to be covered by at least one 8 TAC channel. In many areas the common channels will be used on a mobile to mobile talk-around basis. Mobile relays on 8 TAC 91 through 8 TAC 94 will be on a limited coverage design to allow reuse of the channel several times within the Region and in adjacent regions. Since Region 39 probably will not have many stationary 8 TAC Channel stations, the implementation of mobile relays or repeaters is strongly encouraged. This will fill an "on-scene" requirement for most multi-agency response situations. Adjacent region coordination will be via existing mutual aid coordination procedures with the requesting region establishing the tactical frequency assignment.

4.3 Requirements for Trunking

All systems operating in the Region having five or more channels will be required to be trunked. Those systems having four or less channels may be conventional. It is strongly suggested that any entity licensing three or more repeaters use trunking.

The FCC in its Report and Order states: "Exceptions will be permitted only when a substantial showing is made that alternative technology would be at least as efficient as trunking or that trunking would not meet operational requirements. Exceptions will not be granted routinely. Strong showing that trunking is unacceptable must be presented in support of any request for exception."

Systems that do not meet FCC loading standards can be required to share such frequencies on a non-exclusive basis. Those agencies requesting Data channels only can be required to share channels with adjacent agencies wherever feasible or limit coverage to their geographic area. Exceptions will be considered on a case-by-case basis by the Regional Review Committee.

Depending on systems loading and the need for multiple systems within an area, operators of wide area systems (including, but not limited to, designated "Monitoring Agencies") must provide for coordination between area-wide systems and "Monitoring Agencies." Single municipalities or agencies must restrict design and implementation of their systems(s) to provide only the communications needed within its geopolitical boundaries. The use of trunked systems is encouraged. However, if the total number of radios in service does not reach minimum loading criteria for a trunked system, that user must consider using the next higher system level if 800 MHz trunked radio is available in the area. As systems reach capacity, the smaller system users must consider consolidating their communications systems to formulate one large trunked system.

A requesting applicant for radio communications in the 800 MHz public safety services in the Region will be required to conform to the FCC loading criteria for its proposed system. The provisions of this regional plan must be used as a guide for establishing any new systems. Strict adherence for limiting the area of coverage to the boundaries of the applicant agency's jurisdiction must be observed. Overlap or extended coverage must be minimized, even where

systems using 800 MHz trunked radio systems are proposing to intermix systems for cooperative and/or mutual aid purposes.

Antenna heights are to be limited to provide only the necessary coverage for a system. When antenna locations are restricted to only the "high-ground," transmitter outputs and special antenna patterns must be employed to produce only the necessary coverage with the proper amount of ERP. All necessary precautions are to be taken to gain maximum reuse of the limited 800 MHz spectrum.

4.4 Channel Loading Requirements

An agency/jurisdiction requesting a single frequency to replace a frequency currently in use that will be turned back for reassignment will not be required to meet loading requirements to obtain the new frequency. However, if the single frequency is not loaded to more than fifty units within three years after the license is granted, the frequency will be available for assignment to other agencies on a shared basis in the event that other frequencies meeting the criteria for assignment are exhausted. Shared use of a frequency is not interference free. Users of single frequency systems may be required to provide the Regional Review Committee "confirmation of loading" for mobiles and portables for validating system loading. This exception shall apply to agencies having only one system and a single frequency. Agencies/jurisdictions requesting multiple frequencies or employing trunking technology shall comply with the loading standards as outlined below or provide a "Traffic Loading Study" that meets the criteria as outlined below.

4.4.1 Loading Tables

EMERGENCY		NON-EMERGENCY	
CHANNELS	UNITS/CHANNEL	CHANNELS	UNITS/CHANNEL
1 - 5	70	1 - 5	80
6 - 10	75	6 - 10	90
11 - 15	80	11 - 15	105
16 - 20	85	16 - 20	120

Agencies requesting additional frequencies must show loading of 100 percent or greater on their existing system. Should a demand for frequencies exist after assignable frequencies become exhausted, any system having frequencies assigned under this plan four or more years previously and not loaded to at least seventy percent will lose operating authority on several frequencies to bring the system into compliance with the 70 percent loading standard. Frequencies lost in this manner will be reallocated to other agencies to help satisfy the demand for additional frequencies.

4.4.2 Traffic Loading Study

Justification for adding frequencies, or retaining existing frequencies, can be provided by a traffic loading study instead of loading by number of transmitters per channel. It will be the responsibility of the requesting agency to provide a verifiable study showing sufficient airtime usage to merit additional frequencies. A showing of airtime usage, excluding telephone interconnect air time, during the peak busy hour greater than 70 percent per channel on three consecutive days will be required to satisfy loading criteria.

4.4.3 Slow Growth

All systems in the 806 - 809 / 851 - 854 MHz band under this plan will be slow growth in accordance with section 90.629 of the commission's rules.

4.5 Use of Long Range Communications

During incidents of major proportions, where Public Safety requirements might include the need for long-range communications in and out of a disaster area, alternate radio communications plans are to be addressed by Primary Public Safety agencies within this sub-region. These agencies should integrate the appropriate interface to the long distance communications providers. Such long distance radio communications might be amateur radio operations, satellite communications and/or long range emergency preparedness communications systems, any of or all of which should be incorporated as part of the communications plans of those lead agencies. They then could provide the means to communicate outside the area for themselves and the smaller agencies that might need assistance. Instances as addressed in the National Public Safety Planning Advisory Committee's Plan, such as earthquakes, hurricanes, floods, widespread forest fires, or nuclear reactor problems could be a cause for such long-range communications needs.

4.6 Expansion of Existing Systems

Existing systems that are to be expanded to include the frequency bands of 806-809/851-853 MHz will have the mobile radios "grandfathered," if they are modified in conformance with the Memorandum Opinion and Order, FCC Docket 87-112. Primarily this involves reducing the modulation to +/- 4 kHz. Existing base stations in the pre-rebanding frequency bands 806-821/851-866 MHz may not be used in the post rebanding frequency bands 806-809/851-854 MHz.

5.0 IMPLEMENTATION AND PROCEDURES

5.1 Notification

Several methods of notification were used to invite interested parties to participate in the development of this plan. Initially, personal contact was made by the "convenor" to all of the major State agency communications users in the State of Tennessee. Announcements were made at various group meetings such as the Tennessee Chief's of Police Association, the Tennessee Fire Chiefs Association, the Emergency Management Association of Tennessee, the Tennessee Sheriff's Association and the Tennessee Association of Rescue Squads.

Several announcements were printed on the Tennessee Information Enforcement System (TIES). Letters of invitation were sent to all APCO Chapter members, and state agency radio users. Local government county executives, city mayors, and other interested parties who had requested notification were also sent letters of invitation. (See Appendix A)

During the initial meeting and second meeting, names, addresses and telephone numbers of those individuals present who wished to either participate in the planning process, or who wanted to be kept informed on the progress of the planning effort were taken. These individuals or agencies were sent all announcements for meetings and bulletins of progress.

When the work on the plan was completed, a final planning committee meeting was called. This meeting was held at the Brentwood Tennessee Holiday Inn on December 14, 1992. Each member of the planning committee was presented with a draft copy of the plan for study. A copy of the final draft was mailed to each member of the committee not present at the meeting. Each plan contained a ballot for voting on the acceptance of the plan.

A public notice was placed in the Tennessean Newspaper and the Nashville Record (See Appendix B) announcing the final meeting. A public notice was placed in the Tennessean Newspaper and the Nashville Record announcing the completion of the plan and the intention to file with the Federal Communications Commission.

These announcements were also run over the Tennessee Information Enforcement System (TIES) computer network. (See Appendix B)

5.2 Frequency Allocation Process

The method used for "packing" Region 39 was the APCO computerized method. The approximate geographical location for the center of each county, in latitude and longitude, was provided along with the approximate radius to cover the county lines. Along with this information, a list of frequencies to block along the adjacent region's border was included. The actual assignment of frequencies is for three (3) channel-pairs per county.

This allocation is the minimum and only applies to counties with a population of 25,000 or less. One additional channel is allocated for each additional 25,000 of population. The state of

Tennessee has reserved ten channels in each of eight state districts. There remains a reserve pool of seventy-one (71) channels for future assignment.

5.3 Frequency Allocation Table

Below is the data, or packing plan generated by APCO via the computerized packing program. The first section is county by county information provided, followed by the packing plan. The plan took adjacent regions into consideration, in addition, letters of concurrence were sent. (APPENDIX C)

NPSPAC, REGION 39 SITE SELECTION TABLE

All Environment Types - 2

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
1	ANDERSON COUNTY	A	36-09-08	84-17-13	3	7.0
		B	36-10-02	84-04-56		
		C	36-01-18	84-12-55		
2	BEDFORD COUNTY	A	35-26-55	86-33-06	3	7.5
		B	35-36-06	86-32-24		
		C	35-33-53	86-20-00		
		D	35-26-05	86-23-01		
3	BENTON COUNTY	A	36-16-56	88-01-30	3	6.5
		B	36-08-53	88-02-42		
		C	36-03-45	88-06-24		
		D	35-55-52	88-08-02		
		E	35-53-30	88-01-28		
4	BLEDSOE COUNTY	A	35-38-32	85-11-28	3	7.5
		B	35-42-13	85-03-58		
		C	35-33-36	85-18-15		
		D	35-28-28	85-13-34		
5	BLOUNT COUNTY	A	35-35-52	83-59-44	4	9.5
		B	35-45-56	84-00-42		
		C	35-41-36	83-48-03		
6	BRADLEY COUNTY	A	35-13-18	84-50-21	3	9.0
		B	35-05-09	84-52-27		
7	CAMPBELL COUNTY	A	36-29-50	84-07-26	3	9.5
		B	36-22-19	84-04-17		
		C	36-20-05	84-14-33		
8	CANNON COUNTY	A	35-44-02	86-05-24	3	7.5
		B	35-52-06	86-02-20		
9	CARROLL COUNTY	A	36-02-48	88-32-18	3	8.0
		B	36-03-19	88-18-36		
		C	35-53-27	88-19-58		
		D	35-53-23	88-35-06		
10	CARTER COUNTY	A	36-23-54	82-02-43	3	8.0
		B	36-13-01	82-05-23		
		C	36-19-11	82-14-18		
11	CHEATHAM COUNTY	A	36-07-17	87-06-02	3	6.0
		B	36-13-36	87-04-33		
		C	36-20-09	86-59-40		
		D	36-22-13	87-09-41		

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
12	CHESTER COUNTY	A	35-17-53	88-45-14	3	5.5
		B	35-23-31	88-44-32		
		C	35-25-46	88-36-50		
		D	35-31-19	88-34-37		
		E	35-25-51	88-26-10		
13	CLAIBORNE COUNTY	A	36-30-18	83-28-49	3	8.0
		B	36-31-40	83-50-52		
		C	36-28-13	83-38-16		
14	CLAY COUNTY	A	36-33-47	85-44-04	3	5.5
		B	36-33-30	85-37-45		
		C	36-29-20	85-32-23		
		D	36-33-05	85-28-13		
		E	36-34-07	85-20-41		
15	COCKE COUNTY	A	36-00-54	83-09-23	3	8.5
		B	35-50-05	83-12-10		
		C	35-53-56	83-00-51		
16	COFFEE COUNTY	A	35-32-13	85-59-25	3	7.0
		B	35-23-40	85-58-49		
		C	35-25-23	86-10-02		
		D	35-35-49	86-09-15		
17	CROCKETT COUNTY	A	35-45-39	89-00-54	3	6.0
		B	35-47-17	89-07-39		
		C	35-54-05	89-11-23		
		D	35-49-12	89-16-23		
18	CUMBERLAND COUNTY	A	36-02-23	84-57-20	3	10.0
		B	36-00-37	85-07-04		
		C	35-54-41	84-50-55		
		D	35-51-14	85-06-01		
19	DAVIDSON COUNTY	A	36-07-07	86-39-06	20	8.5
		B	36-06-38	86-54-29		
		C	36-16-03	86-48-18		
20	DECATUR COUNTY	A	35-28-00	88-07-14	3	7.0
		B	35-36-10	88-07-01		
		C	35-45-17	88-05-41		
21	DEKALB COUNTY	A	36-01-40	85-57-43	3	7.0
		B	36-01-36	85-47-00		
		C	35-55-18	85-51-07		
		D	35-55-07	85-43-55		
22	DICKSON COUNTY	A	36-13-37	87-26-17	3	8.0
		B	36-13-07	87-15-48		
		C	36-03-16	87-17-12		
		D	36-04-37	87-27-20		

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
23	DYER COUNTY	A	36-07-34	89-29-07	3	8.0
		B	36-06-52	89-15-55		
		C	35-59-16	89-18-28		
		D	36-00-39	89-34-34		
24	FAYETTE COUNTY	A	35-05-54	89-31-49	3	9.5
		B	35-05-38	89-18-57		
		C	35-17-16	89-19-17		
		D	35-17-40	89-30-17		
25	FENTRESS COUNTY	A	36-25-29	84-49-50	3	9.0
		B	36-26-53	84-58-28		
		C	36-15-31	85-00-10		
26	FRANKLIN COUNTY	A	35-05-10	85-59-03	3	8.0
		B	35-15-06	86-09-41		
		C	35-13-03	86-00-45		
		D	35-05-01	86-12-39		
27	GIBSON COUNTY	A	36-06-48	89-01-47	3	8.5
		B	36-02-35	88-48-56		
		C	35-57-26	89-02-05		
		D	35-53-12	88-49-08		
28	GILES COUNTY	A	35-14-14	86-55-39	3	7.5
		B	35-04-24	86-56-40		
		C	35-14-39	87-06-15		
		D	35-04-16	87-06-15		
		E	35-21-51	87-04-05		
29	GRAINGER COUNTY	A	36-18-49	83-25-29	3	8.5
		B	36-13-34	83-36-56		
30	GREENE COUNTY	A	36-17-05	82-45-20	3	10.0
		B	36-10-39	82-59-35		
		C	36-03-51	82-47-17		
31	GRUNDY COUNTY	A	35-26-48	85-46-10	3	7.5
		B	35-24-51	85-37-40		
		C	35-18-07	85-47-26		
32	HAMBLEN COUNTY	A	36-13-01	83-16-22	3	9.0
33	HAMILTON COUNTY	A	35-04-38	85-17-07	11	8.5
		B	35-04-33	85-06-13		
		C	35-12-28	85-09-19		
		D	35-19-54	85-05-43		
34	HANCOCK COUNTY	A	36-34-41	83-00-30	3	6.5
		B	36-31-29	83-11-00		
		C	36-33-15	83-20-20		
		D	36-27-25	83-17-33		

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
35	HARDEMAN COUNTY	A	35-06-22	89-05-25	3	9.0
		B	35-06-15	88-53-43		
		C	35-18-17	88-53-53		
		D	35-19-28	89-03-52		
36	HARDIN COUNTY	A	35-06-03	88-16-06	3	9.0
		B	35-06-28	88-05-58		
		C	35-17-46	88-05-20		
		D	35-18-24	88-15-00		
37	HAWKINS COUNTY	A	35-22-00	83-07-19	3	9.0
		B	36-27-05	82-56-51		
		C	36-31-05	82-44-59		
38	HAYWOOD COUNTY	A	35-42-36	89-21-03	3	8.0
		B	35-37-19	89-10-35		
		C	35-30-07	89-23-26		
		D	35-29-53	89-11-45		
39	HENDERSON COUNTY	A	35-45-38	88-17-53	3	7.0
		B	35-43-50	88-31-03		
		C	35-38-41	88-18-01		
		D	35-35-04	88-29-20		
		E	35-29-46	88-18-25		
40	HENRY COUNTY	A	36-25-15	88-23-14	3	8.0
		B	36-24-35	88-09-17		
		C	36-14-47	88-13-07		
		D	36-13-56	88-25-52		
41	HICKMAN COUNTY	A	35-44-28	87-22-55	3	8.5
		B	35-52-10	87-33-59		
		C	35-52-54	87-20-33		
		D	35-42-49	87-34-44		
42	HOUSTON COUNTY	A	36-17-30	87-54-35	3	4.5
		B	36-17-09	87-46-35		
		C	36-19-08	87-39-37		
		D	36-14-20	87-37-39		
		E	36-17-27	87-34-52		
43	HUMPHREYS COUNTY	A	36-09-53	87-49-57	3	7.5
		B	36-07-37	87-40-29		
		C	36-00-57	87-39-10		
		D	36-00-26	87-53-24		
		E	35-53-28	87-49-47		
44	JACKSON COUNTY	A	36-21-14	85-40-09	3	11.0
45	JEFFERSON COUNTY	A	36-04-28	83-32-00	3	8.5
		B	36-01-51	83-22-06		
46	JOHNSON COUNTY	A	36-23-30	81-54-06	3	8.0
		B	36-31-43	81-48-41		

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
47	KNOX COUNTY	A	35-54-44	84-07-45	13	8.5
		B	36-03-30	83-56-46		
		C	35-56-08	83-50-31		
		D	36-03-44	83-46-01		
48	LAKE COUNTY	A	36-16-26	89-32-21	3	7.0
		B	36-25-01	89-28-10		
49	LAUDERDALE COUNTY	A	35-49-04	89-39-24	3	8.0
		B	35-50-19	89-29-00		
		C	35-41-13	89-32-56		
		D	35-40-29	89-49-55		
50	LAWRENCE COUNTY	A	35-18-23	87-27-12	3	8.5
		B	35-19-12	87-18-34		
		C	35-05-40	87-29-30		
		D	35-05-41	87-19-05		
51	LEWIS COUNTY	A	35-31-26	87-34-14	3	8.5
		B	35-31-55	87-23-53		
52	LINCOLN COUNTY	A	35-14-59	86-36-05	3	6.5
		B	35-10-50	86-43-59		
		C	35-04-03	86-44-06		
		D	35-03-58	86-35-04		
		E	35-03-48	86-24-04		
		F	35-12-01	86-28-34		
53	LOUDON COUNTY	A	35-41-30	84-26-47	3	6.0
		B	35-41-20	84-13-12		
		C	35-43-51	84-20-09		
		D	35-49-10	84-16-07		
54	MACON COUNTY	A	36-32-36	86-05-40	3	8.5
		B	36-31-33	85-55-26		
55	MADISON COUNTY	A	35-41-43	88-55-32	3	8.0
		B	35-41-26	88-42-07		
		C	35-32-09	88-45-37		
		D	35-30-41	88-57-55		
56	MARION COUNTY	A	35-06-13	85-45-19	3	9.5
		B	35-05-17	85-31-02		
		C	35-12-37	85-35-08		
57	MARSHALL COUNTY	A	35-36-48	86-44-02	3	6.5
		B	35-20-45	86-43-45		
		C	35-28-29	86-45-55		
		D	35-23-50	86-51-52		
58	MAURY COUNTY	A	35-39-43	86-56-07	3	8.5
		B	35-43-56	87-08-54		
		C	35-31-25	86-59-46		
		D	35-33-27	87-13-53		

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
59	McMINN COUNTY	A	35-19-24	84-37-21	3	6.5
		B	35-27-28	84-32-10		
		C	35-20-59	84-29-28		
		D	35-21-32	84-44-43		
		E	35-27-18	84-41-16		
		F	35-33-51	84-35-36		
60	McNAIRY COUNTY	A	35-07-28	88-40-37	3	10.0
		B	35-06-00	88-29-41		
		C	35-16-46	88-31-16		
61	MEIGS COUNTY	A	35-22-02	84-56-28	3	5.5
		B	35-27-14	84-51-31		
		C	35-33-17	84-46-01		
		D	35-39-51	84-41-26		
62	MONROE COUNTY	A	35-19-57	84-11-21	3	9.5
		B	35-22-25	84-22-21		
		C	35-34-53	84-22-49		
		D	35-29-30	84-07-06		
63	MONTGOMERY COUNTY	A	36-25-43	87-17-17	5	8.0
		B	36-24-41	87-29-22		
		C	36-33-19	87-30-34		
		D	36-33-54	87-14-49		
64	MOORE COUNTY	A	35-12-14	86-20-50	3	5.0
		B	35-19-28	86-18-33		
		C	35-18-42	86-26-41		
65	MORGAN COUNTY	A	36-04-18	84-34-11	3	11.5
		B	36-12-31	84-43-51		
66	OBION COUNTY	A	36-24-59	89-14-27	3	8.0
		B	36-26-03	88-58-39		
		C	36-16-43	89-04-57		
		D	36-17-21	89-19-03		
67	OVERTON COUNTY	A	36-15-10	85-12-33	3	8.0
		B	36-25-10	85-14-03		
		C	36-19-31	85-23-01		
		D	36-25-21	85-21-44		
68	PERRY COUNTY	A	35-44-39	87-54-40	3	7.5
		B	35-44-43	87-47-55		
		C	35-33-45	87-46-48		
		D	35-33-09	87-56-12		
69	PICKETT COUNTY	A	36-34-32	85-12-50	3	5.0
		B	36-28-39	85-08-06		
		C	36-33-53	85-07-07		
		D	36-35-25	84-58-41		
		E	36-34-24	84-49-50		

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
70	POLK COUNTY	A	35-07-04	84-31-24	3	13.5
71	PUTNAM COUNTY	A	36-06-14	85-18-02	3	7.5
		B	36-10-04	85-28-44		
		C	36-07-56	85-40-53		
72	RHEA COUNTY	A	35-30-36	85-01-04	3	7.0
		B	35-36-30	84-55-15		
		C	35-43-22	84-49-26		
73	ROANE COUNTY	A	35-43-48	84-34-53	3	7.5
		B	35-51-12	84-30-33		
		C	35-49-07	84-41-12		
		D	35-56-00	84-23-35		
74	ROBERTSON COUNTY	A	36-33-53	86-41-11	3	7.0
		B	36-35-09	86-50-37		
		C	36-27-20	86-48-35		
		D	36-34-40	87-01-23		
		E	36-27-40	86-59-41		
75	RUTHERFORD COUNTY	A	35-44-03	86-19-38	5	8.5
		B	35-52-51	86-16-29		
		C	35-46-09	86-31-51		
		D	35-57-59	86-29-18		
76	SCOTT COUNTY	A	36-32-02	84-37-44	3	8.5
		B	36-23-22	84-34-30		
		C	36-29-55	84-22-54		
		D	36-17-43	84-27-40		
77	SEQUATCHIE COUNTY	A	35-14-57	85-23-00	3	6.0
		B	35-19-51	85-19-31		
		C	35-19-26	85-27-20		
		D	35-22-54	85-24-04		
		E	35-29-09	85-28-34		
78	SEVIER COUNTY	A	35-41-43	83-34-02	3	10.0
		B	35-54-28	83-37-59		
		C	35-47-34	83-22-01		
79	SHELBY COUNTY	A	35-05-16	89-46-30	33	9.5
		B	35-16-53	89-58-42		
		C	35-17-08	89-45-52		
		D	35-05-20	90-03-48		
80	SMITH COUNTY	A	36-11-26	85-52-44	3	6.5
		B	36-09-56	86-00-11		
		C	36-17-27	86-02-10		
		D	36-21-30	85-55-30		

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
81	STEWART COUNTY	A	36-25-34	87-43-29	3	7.5
		B	36-25-44	87-54-58		
		C	36-35-11	87-57-01		
		D	36-33-05	87-44-45		
82	SULLIVAN COUNTY	A	36-34-07	81-59-01	6	8.0
		B	36-29-25	82-10-27		
		C	36-30-18	82-21-34		
		D	36-30-21	82-33-30		
83	SUMNER COUNTY	A	36-24-22	86-22-50	4	8.5
		B	36-32-46	86-29-25		
		C	36-33-17	86-19-31		
		D	36-22-34	86-35-36		
84	TIPTON COUNTY	A	35-29-46	89-34-18	3	7.5
		B	35-27-57	89-43-44		
		C	35-33-54	89-43-38		
		D	35-28-19	89-56-36		
85	TROUSDALE COUNTY	A	36-24-08	86-12-47	3	5.5
		B	36-22-49	86-05-59		
86	UNICOI COUNTY	A	36-09-45	82-21-19	3	6.5
		B	36-03-19	82-30-41		
87	UNION COUNTY	A	36-17-25	83-50-21	3	10.0
88	VAN BUREN COUNTY	A	35-44-14	85-30-49	3	6.5
		B	35-44-19	85-21-34		
		C	35-36-45	85-28-53		
89	WARREN COUNTY	A	35-43-39	85-52-09	3	7.5
		B	35-45-16	85-42-18		
		C	35-36-39	85-50-31		
		D	35-36-20	85-41-47		
90	WASHINGTON COUNTY	A	36-22-59	82-24-36	4	7.0
		B	36-20-34	82-34-14		
		C	36-15-43	82-25-24		
		D	36-11-16	82-34-32		
91	WAYNE COUNTY	A	35-05-34	87-52-15	3	8.0
		B	35-05-53	87-40-48		
		C	35-16-06	87-41-05		
		D	35-15-17	87-52-03		
		E	35-22-38	87-53-43		
		F	35-23-50	87-42-39		
92	WEAKLEY COUNTY	A	36-24-28	88-47-44	3	8.5
		B	36-23-31	88-36-59		
		C	36-14-57	88-49-26		
		D	36-11-29	88-39-26		

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
93	WHITE COUNTY	A	35-53-20	85-34-18	3	8.0
		B	35-53-36	85-20-23		
		C	35-58-51	85-28-43		
94	WILLIAMSON COUNTY	A	35-51-01	86-44-06	3	9.5
		B	35-55-24	87-04-10		
		C	35-54-19	86-52-49		
95	WILSON COUNTY	A	36-14-34	86-26-47	3	8.5
		B	36-06-39	86-21-52		
		C	36-13-09	86-13-50		
		D	36-03-41	86-09-41		
96	DIVISION 1	A	36-28-08	81-51-43	10	13.0
		B	36-27-46	82-16-28		
		C	36-26-23	82-37-21		
		D	36-28-58	82-55-03		
		E	36-28-55	83-13-34		
		F	36-16-35	82-59-42		
		G	36-07-16	82-50-04		
		H	36-08-47	82-30-24		
		I	36-14-18	82-09-01		
97	DIVISION 2	A	36-27-22	84-35-16	10	13.0
		B	36-26-53	84-15-25		
		C	36-26-49	83-54-00		
		D	36-26-41	83-33-56		
		E	36-13-23	83-18-15		
		F	36-09-06	83-42-09		
		G	36-09-03	84-05-00		
		H	36-09-43	84-24-41		
		I	36-10-19	84-43-01		
		J	35-50-29	84-34-31		
		K	35-50-03	84-15-17		
		L	35-55-15	83-53-33		
		M	35-57-21	83-28-48		
		N	35-55-40	83-05-28		
		O	35-47-43	83-17-53		
		P	35-41-31	83-37-18		
Q	35-38-54	83-59-00				

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
98	DIVISION 3	A	35-24-21	85-44-42	10	13.0
		B	35-08-04	85-45-43		
		C	35-07-22	85-28-11		
		D	35-08-07	85-08-02		
		E	35-08-23	84-46-51		
		F	35-09-03	84-26-31		
		G	35-22-53	85-00-16		
		H	35-25-36	85-22-52		
		I	35-37-10	85-09-35		
		J	35-38-45	84-47-27		
		K	35-21-39	84-35-39		
		L	35-34-12	84-24-10		
		M	35-24-47	84-09-50		
99	DIVISION 4	A	36-27-45	85-39-16	10	13.5
		B	36-27-11	85-17-55		
		C	36-27-23	84-55-23		
		D	36-09-49	85-04-49		
		E	36-10-52	85-38-13		
		F	36-04-47	85-24-06		
		G	35-58-18	85-48-51		
		H	35-40-26	85-47-08		
		I	35-44-27	85-31-09		
		J	35-51-23	85-12-54		
		K	35-56-04	84-53-41		
100	DIVISION 5	A	36-31-21	87-51-42	20	15.0
		B	36-28-48	87-25-34		
		C	36-28-14	87-01-17		
		D	36-28-03	86-39-49		
		E	36-28-17	86-18-26		
		F	36-28-00	85-58-48		
		G	36-08-52	86-03-01		
		H	36-06-35	86-30-02		
		I	36-10-44	86-53-24		
		J	36-08-31	87-19-39		
		K	36-14-38	87-43-39		
		L	35-57-37	87-48-10		
		M	35-54-13	86-56-21		
		N	35-49-19	86-30-32		
		O	35-49-21	86-08-40		

SYS NO	SYSTEM NAME	SITE	SITE COORDINATES		NO. OF CHANS	RANGE (MI.)
			LATITUDE	LONGITUDE		
101	DIVISION 6	A	35-50-31	87-25-36	10	14.0
		B	35-42-56	87-47-56		
		C	35-27-35	87-50-47		
		D	35-27-34	87-29-47		
		E	35-39-52	87-06-30		
		F	35-34-01	86-44-23		
		G	35-28-37	86-25-53		
		H	35-27-38	86-04-42		
		I	35-08-31	85-57-26		
		J	35-21-07	86-43-51		
		K	35-07-43	86-17-06		
		L	35-07-12	86-36-40		
		M	35-07-27	87-01-02		
		N	35-22-06	87-07-55		
		O	35-07-57	87-24-58		
P	35-09-13	87-49-57				
102	DIVISION 7	A	36-21-07	89-19-00	10	15.5
		B	36-18-05	88-55-48		
		C	36-19-21	88-32-21		
		D	36-18-53	88-08-24		
		E	36-00-01	88-05-55		
		F	35-59-21	88-30-22		
		G	35-53-13	88-51-23		
		H	35-55-21	89-08-33		
		I	36-03-32	89-30-52		
103	DIVISION 8	A	35-07-50	89-59-25	10	18.0
		B	35-12-24	89-28-19		
		C	35-10-37	89-01-17		
		D	35-13-04	88-33-51		
		E	35-11-26	88-12-00		
		F	35-38-14	88-10-07		
		G	35-35-50	88-40-24		
		H	35-33-18	89-07-02		
		I	35-24-29	89-52-52		
		J	35-42-50	89-33-53		

Protection Ratios - Co-Channel: 35 dB., Adjacent Channel: 15 dB.

Spacing for Transmitter Combining: 0.250 MHz.

CHANNEL ASSIGNMENTS

CHANNEL ASSIGNMENTS BY FREQUENCY

REGION 39 Channel Plan by Frequency			
Channel Number	Mobile Tx Frequency	Mobile Rx Frequency	Counties and Usage
1	806.01250	851.01250	Interoperability Calling Channel (8 CALL90)
2	806.03750	851.03750	Hickman, Cocke, Chester, Cannon
3	806.05000	851.05000	Union
4	806.06250	851.06250	Loudon, Rutherford
5	806.07500	851.07500	Montgomery
6	806.08750	851.08750	Putnam, Meigs, Jefferson, Franklin, Fayette, Carroll
7	806.10000	851.10000	Sumner
8	806.11250	851.11250	Unassigned in Tennessee
9	806.12500	851.12500	Sevier, Maury, State Division 4
10	806.13750	851.13750	Unassigned in Tennessee
11	806.15000	851.15000	Unicoi, Hancock, Crockett, Coffee, Blount, Benton
12	806.16250	851.16250	Williamson
13	806.17500	851.17500	Unassigned in Tennessee
14	806.18750	851.18750	Unassigned in Tennessee
15	806.20000	851.20000	White, Perry, McMinn, Gibson, Franklin
16	806.21250	851.21250	Unassigned in Tennessee
17	806.22500	851.22500	Unassigned in Tennessee
18	806.23750	851.23750	Sevier, Dickson, State Division 4
19	806.25000	851.25000	Unassigned in Tennessee
20	806.26250	851.26250	Hardeman, Decatur, Cheatham, Carter, Blount, Bledsoe
21	806.27500	851.27500	Rutherford
22	806.28750	851.28750	Madison, Lewis, Grainger
23	806.30000	851.30000	Shelby
24	806.31250	851.31250	White, Washington, Shelby, McMinn, Franklin, Davidson, Carroll
25	806.32500	851.32500	Unassigned in Tennessee
26	806.33750	851.33750	Unassigned in Tennessee
27	806.35000	851.35000	State Division 5, State Division 2
28	806.36250	851.36250	Montgomery
29	806.37500	851.37500	Maury, Lake, Grundy, Carroll, State Division 2
30	806.38750	851.38750	Unassigned in Tennessee
31	806.40000	851.40000	Rutherford, State Division 7
32	806.41250	851.41250	Unassigned in Tennessee
33	806.42500	851.42500	Shelby, Monroe, Davidson, State Division 7
34	806.43750	851.43750	Davidson

35	806.45000	851.45000	Unassigned in Tennessee
36	806.46250	851.46250	Hamilton, Grainger, State Division 5
37	806.47500	851.47500	Unassigned in Tennessee
38	806.48750	851.48750	Unassigned in Tennessee
39	806.51250	851.51250	Interoperability Tactical (8 TAC 91)
40	806.53750	851.53750	Loudon, Hardeman, Cannon, Benton
41	806.55000	851.55000	State Division 1
42	806.56250	851.56250	Bradley, Robertson
43	806.57500	851.57500	Unassigned in Tennessee
44	806.58750	851.58750	Fayette, Clay, State Division 3
45	806.60000	851.60000	Sumner, Hamilton
46	806.61250	851.61250	Williamson
47	806.62500	851.62500	Sequatchie, Polk, Knox, Jackson
48	806.63750	851.63750	Unassigned in Tennessee
49	806.65000	851.65000	Lewis, Haywood, Cumberland, State Division 1
50	806.66250	851.66250	State Division 6
51	806.67500	851.67500	Unassigned in Tennessee
52	806.68750	851.68750	Unassigned in Tennessee
53	806.70000	851.70000	Lauderdale, Henderson, Davidson, State Division 3
54	806.71250	851.71250	Unassigned in Tennessee
55	806.72500	851.72500	Unassigned in Tennessee
56	806.73750	851.73750	Wayne, Tipton, Davidson, State Division 2
57	806.75000	851.75000	Unassigned in Tennessee
58	806.76250	851.76250	Smith, Giles, Decatur, Crockett, Carter, Blount, Bledsoe
59	806.77500	851.77500	Unassigned in Tennessee
60	806.78750	851.78750	Madison, Van Buren, Sullivan, Lewis, Grundy, Campbell
61	806.80000	851.80000	Unassigned in Tennessee
62	806.81250	851.81250	Sullivan, Houston, Hamblen, Gibson, State Division 3
63	806.82500	851.82500	Williamson
64	806.83750	851.83750	Shelby, State Division 4
65	806.85000	851.85000	Warren, Pickett, Davidson, State Division 7
66	806.86250	851.86250	Unassigned in Tennessee
67	806.87500	851.87500	Maury, Greene, State Division 7, State Division 3
68	806.88750	851.88750	Hamilton, Williamson
69	806.90000	851.90000	Stewart, Rutherford, Knox, Fentress
70	806.91250	851.91250	Unassigned in Tennessee
71	806.92500	851.92500	Trousdale, Obion, Monroe, State Division 5
72	806.93750	851.93750	Montgomery, Trousdale, Smith
73	806.95000	851.95000	Unassigned in Tennessee
74	806.96250	851.96250	Knox, Henry, Davidson
75	806.97500	851.97500	Unassigned in Tennessee

76	806.98750	851.98750	Unassigned in Tennessee
77	807.01250	852.01250	Interoperability Tactical (8 TAC 92)
78	807.03750	852.03750	Madison, Rutherford
79	807.05000	852.05000	Shelby, Morgan, Humphreys, State Division 1
80	807.06250	852.06250	Robertson
81	807.07500	852.07500	Unassigned in Tennessee
82	807.08750	852.08750	Washington, Marshall, Hardin, State Division 3
83	807.10000	852.10000	Hamilton
84	807.11250	852.11250	Unassigned in Tennessee
85	807.12500	852.12500	Sequatchie, Morgan, Lincoln, Davidson, State Division 8
86	807.13750	852.13750	Unassigned in Tennessee
87	807.15000	852.15000	Johnson, State Division 3, State Division 8
88	807.16250	852.16250	Scott
89	807.17500	852.17500	State Division 6
90	807.18750	852.18750	State Division 6
91	807.20000	852.20000	Macon, Lake, State Division 6, State Division 2
92	807.21250	852.21250	Shelby
93	807.22500	852.22500	State Division 6
94	807.23750	852.23750	Knox, State Division 6
95	807.25000	852.25000	Williamson
96	807.26250	852.26250	Johnson, Giles, Cumberland, Cocke, Cheatham, Cannon, State Division 8
97	807.27500	852.27500	Knox, State Division 8
98	807.28750	852.28750	Van Buren, Madison, Knox, Grundy
99	807.30000	852.30000	Wayne, Shelby
100	807.31250	852.31250	Davidson, Clay, State Division 7, State Division 3
101	807.32500	852.32500	Shelby
102	807.33750	852.33750	Montgomery, State Division 4
103	807.35000	852.35000	Union, Montgomery, State Division 4, State Division 8
104	807.36250	852.36250	Unassigned in Tennessee
105	807.37500	852.37500	Loudon, Greene, Bedford, State Division 8
106	807.38750	852.38750	Shelby, Sequatchie
107	807.40000	852.40000	Shelby, Rutherford, Houston, State Division 2
108	807.41250	852.41250	Shelby
109	807.42500	852.42500	Trousdale, Polk, Obion, Hancock, State Division 5
110	807.43750	852.43750	Montgomery, Smith, State Division 1
111	807.45000	852.45000	Unassigned in Tennessee
112	807.46250	852.46250	Tipton, Knox, Henry, Davidson
113	807.47500	852.47500	Unassigned in Tennessee
114	807.48750	852.48750	Unassigned in Tennessee
115	807.51250	852.51250	Interoperability Tactical (8 TAC 93)
116	807.53750	852.53750	Loudon

117	807.55000	852.55000	Wilson, Claiborne, State Division 8
118	807.56250	852.56250	Shelby, Marion
119	807.57500	852.57500	Rutherford
120	807.58750	852.58750	Washington, Van Buren, Loudon, Lincoln, Cheatham, State Division 8
121	807.60000	852.60000	Shelby
122	807.61250	852.61250	Shelby
123	807.62500	852.62500	Sullivan, Lawrence, Jackson
124	807.63750	852.63750	Unassigned in Tennessee
125	807.65000	852.65000	Williamson, Unicoi, Lauderdale, Hardin, State Division 3
126	807.66250	852.66250	Unassigned in Tennessee
127	807.67500	852.67500	Shelby, State Division 6
128	807.68750	852.68750	Shelby
129	807.70000	852.70000	Obion, McNairy, State Division 5, State Division 2
130	807.71250	852.71250	Montgomery
131	807.72500	852.72500	Unassigned in Tennessee
132	807.73750	852.73750	Shelby, State Division 5, State Division 2
133	807.75000	852.75000	Unassigned in Tennessee
134	807.76250	852.76250	Johnson, Decatur, Crockett, Coffee, Cocke, Anderson
135	807.77500	852.77500	Hancock, Hamilton
136	807.78750	852.78750	Madison, Lawrence, Jackson, Hamilton, Campbell
137	807.80000	852.80000	Williamson, Hamilton
138	807.81250	852.81250	Sullivan, Monroe, Hamblen, Dyer, State Division 5
139	807.82500	852.82500	Rutherford
140	807.83750	852.83750	Shelby
141	807.85000	852.85000	Dickson, State Division 4, State Division 1
142	807.86250	852.86250	Unassigned in Tennessee
143	807.87500	852.87500	Sullivan, Shelby, Loudon, Hamblen, Giles, DeKalb, State Division 7
144	807.88750	852.88750	Williamson, Shelby
145	807.90000	852.90000	Marion, State Division 7, State Division 2
146	807.91250	852.91250	Unassigned in Tennessee
147	807.92500	852.92500	Davidson, State Division 3, Dyer
148	807.93750	852.93750	Shelby, Montgomery, Hamilton, State Division 1
149	807.95000	852.95000	Unassigned in Tennessee
150	807.96250	852.96250	Weakley, Polk, Knox, State Division 6
151	807.97500	852.97500	Unassigned in Tennessee
152	807.98750	852.98750	Shelby, State Division 5, State Division 2
153	808.01250	853.01250	Interoperability Tactical (8 TAC 94)
154	808.03750	853.03750	Lake, Cumberland, Chester, Bedford, State Division 1
155	808.05000	853.05000	Hawkins
156	808.06250	853.06250	State Division 6
157	808.07500	853.07500	Unassigned in Tennessee

158	808.08750	853.08750	Macon, Gibson, State Division 6, State Division 2
159	808.10000	853.10000	Wayne
160	808.11250	853.11250	Unassigned in Tennessee
161	808.12500	853.12500	Wilson, Tipton, Sullivan, Rhea, Overton, Lawrence
162	808.13750	853.13750	Montgomery
163	808.15000	853.15000	Unicoi, Perry, Hardeman, Bradley, Bedford, Anderson
164	808.16250	853.16250	Sumner
165	808.17500	853.17500	Marion
166	808.18750	853.18750	Unassigned in Tennessee
167	808.20000	853.20000	Perry, Moore, Davidson, Clay, Bradley
168	808.21250	853.21250	Shelby, Williamson
169	808.22500	853.22500	Unassigned in Tennessee
170	808.23750	853.23750	Union, Robertson, State Division 4
171	808.25000	853.25000	State Division 8
172	808.26250	853.26250	Henderson, Greene, Fayette, DeKalb, Anderson
173	808.27500	853.27500	Unassigned in Tennessee
174	808.28750	853.28750	Rhea, Overton, McNairy, Humphreys, Davidson, Campbell
175	808.30000	853.30000	Hawkins
176	808.31250	853.31250	Putnam, Moore, Haywood, Hawkins, Davidson
177	808.32500	853.32500	Unassigned in Tennessee
178	808.33750	853.33750	Unassigned in Tennessee
179	808.35000	853.35000	State Division 4, State Division 1, State Division 8
180	808.36250	853.36250	Unassigned in Tennessee
181	808.37500	853.37500	White, Marshall, Bradley, Dyer
182	808.38750	853.38750	Unassigned in Tennessee
183	808.40000	853.40000	Weakley, Rutherford, Fentress
184	808.41250	853.41250	Shelby
185	808.42500	853.42500	Morgan, State Division 5
186	808.43750	853.43750	Sumner, Shelby, Houston, State Division 1
187	808.45000	853.45000	Unassigned in Tennessee
188	808.46250	853.46250	Stewart, Putnam, Knox, Davidson
189	808.47500	853.47500	Montgomery
190	808.48750	853.48750	Roane, Davidson, State Division 1
191	808.50000	853.50000	Unassigned in Tennessee
192	808.51250	853.51250	Unassigned in Tennessee
193	808.52500	853.52500	Unassigned in Tennessee
194	808.53750	853.53750	Shelby, Hickman, Chester, Carter, Blount, Bledsoe
195	808.55000	853.55000	Hamblen, Wilson
196	808.56250	853.56250	Unassigned in Tennessee
197	808.57500	853.57500	Rutherford
198	808.58750	853.58750	Washington, Lincoln, Knox, Hickman, Haywood

199	808.60000	853.60000	State Division 4
200	808.61250	853.61250	Shelby
201	808.62500	853.62500	Sevier, State Division 4
202	808.63750	853.63750	Williamson
203	808.65000	853.65000	Scott, McMinn, Jefferson, Hardin, DeKalb
204	808.66250	853.66250	Shelby, Scott
205	808.67500	853.67500	Unassigned in Tennessee
206	808.68750	853.68750	Shelby
207	808.70000	853.70000	Moore, Meigs, Henderson, Davidson
208	808.71250	853.71250	Unassigned in Tennessee
209	808.72500	853.72500	Montgomery
210	808.73750	853.73750	McNairy, Claiborne, State Division 5
211	808.75000	853.75000	Unassigned in Tennessee
212	808.76250	853.76250	Rhea, Jefferson, Coffee, Benton
213	808.77500	853.77500	Unassigned in Tennessee
214	808.78750	853.78750	Overton, Hamilton, Grainger, Dickson
215	808.80000	853.80000	Hamilton
216	808.81250	853.81250	Warren, Roane, Macon, Lauderdale
217	808.82500	853.82500	Williamson
218	808.83750	853.83750	Shelby
219	808.85000	853.85000	Warren, Roane, Pickett, Humphreys, Davidson, Claiborne
220	808.86250	853.86250	Unassigned in Tennessee
221	808.87500	853.87500	Marshall, State Division 3, Weakley
222	808.88750	853.88750	Shelby, Hamilton
223	808.90000	853.90000	Williamson, Pickett, Knox
224	808.91250	853.91250	Shelby
225	808.92500	853.92500	Knox, Henry, Fentress, Davidson
226	808.93750	853.93750	Shelby
227	808.95000	853.95000	Williamson
228	808.96250	853.96250	Stewart, Knox, Davidson
229	808.97500	853.97500	Montgomery
230	808.98750	853.98750	Unassigned in Tennessee

Channel Assignments for Region 39 Continued

CHANNEL ASSIGNMENTS BY COUNTY

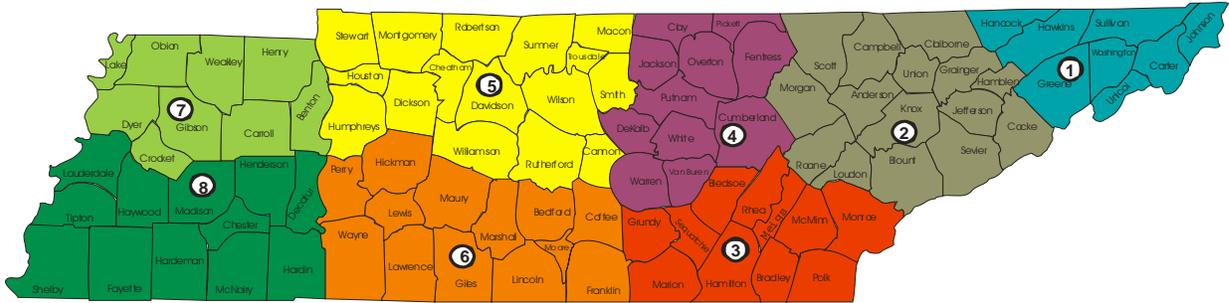
Region 39 800 MHz NPSPAC Channel Allocations by Channel Number							
County Name	Channe 						
Anderson	134	163	172				
Bedford	105	154	163				
Benton	11	40	212				
Bledsoe	20	58	194				
Blount	11	20	58	194			
Bradley	42	163	167	181			
Campbell	60	136	174				
Cannon	2	40	96				
Carroll	6	24	29				
Carter	20	58	194				
Cheatham	20	96	120				
Chester	2	154	194				
Claiborne	117	210	219				
Clay	44	100	167				
Cocke	2	96	134				
Coffee	11	134	212				
Crockett	11	58	134				
Cumberland	49	96	154				
Davidson	24	33	34	53	56	65	74
Davidson	85	100	112	147	167	174	176
Davidson	188	190	207	219	225	228	
De Kalb	143	172	203				
Decatur	20	58	134				
Dickson	18	141	214				
Dyer	138	147	181				
Fayette	6	44	172				
Fentress	69	183	225				
Franklin	6	15	24				
Gibson	15	62	158				
Giles	58	96	143				
Grainger	22	36	214				
Greene	67	105	172				
Grundy	29	60	98				
Hamblen	62	138	143	195			
Hamilton	36	45	68	83	135	136	137
Hamilton	148	214	215	222			
Hancock	11	109	135				
Hardeman	20	40	163				
Hardin	82	125	203				
Hawkins	155	175	176				
Haywood	49	176	198				

Henderson	53	172	207				
Henry	74	112	225				
Hickman	2	194	198				
Houston	62	107	186				
Humphreys	79	174	219				
Jackson	47	123	136				
Jefferson	6	203	212				
Johnson	87	96	134				
Knox	47	69	74	94	97	98	112
Knox	150	188	198	223	225	228	
Lake	29	91	154				
Lauderdale	53	125	216				
Lawrence	123	136	161				
Lewis	22	49	60				
Lincoln	85	120	198				
Loudon	4	40	105	116	120	143	
Macon	91	158	216				
Madison	22	60	78	98	136		
Marion	118	145	165				
Marshall	82	181	221				
Maurry	9	29	67				
McMinn	15	24	203				
McNairy	129	174	210				
Meigs	2	6	207				
Monroe	33	71	138				
Montgomery	5	28	72	102	103	110	130
Montgomery	148	162	189	209	229		
Moore	167	176	207				
Morgan	79	85	185				
Obion	71	109	129				
Overton	161	174	214				
Perry	15	163	167				
Pickett	65	219	223				
Polk	47	109	150				
Putnam	6	176	188				
Rhea	161	174	212				
Roane	190	216	219				
Robertson	42	80	170				
Rutherford	4	21	31	69	78	107	119
Rutherford	139	183	197				
Scott	88	203	204				
Sequatchie	47	85	106				
Sevier	9	18	201				
Shelby	23	24	33	64	79	92	99
Shelby	101	106	107	108	118	121	122
Shelby	127	128	132	140	143	144	148
Shelby	152	168	184	186	194	200	204
Shelby	218	222	224	226			

Smith	58	72	110				
Stewart	69	188	228				
Sullivan	60	62	123	138	143	161	
Sumner	7	45	164	186			
Tipton	56	112	161				
Trousdale	71	72	109				
Unicoi	11	125	163				
Union	3	103	170				
Van Buren	60	98	120				
Warren	65	216	219				
Washington	24	82	120	198			
Wayne	56	99	159				
Weakley	150	183	221				
White	15	24	181				
Williamson	12	46	63	125	137	144	202
Williamson	217	223	68	95	168	227	
Wilson	117	161	195				
State Division 1	41	49	79	110	141	148	154
State Division 1	179	186	190				
State Division 2	27	29	56	91	107	129	132
State Division 2	145	152	158				
State Division 3	44	53	62	67	82	87	100
State Division 3	125	147	221				
State Division 4	9	18	64	102	103	141	170
State Division 4	179	199	201				
State Division 5	27	36	71	109	129	132	138
State Division 5	152	185	210				
State Division 6	50	89	90	91	93	94	127
State Division 6	150	156	158				
State Division 7	31	33	65	67	100	143	145
State Division 8	85	87	96	97	103	105	117
State Division 8	120	171	179				

5.4 State Divisions Map

REGION 39 800 MHz STATE DIVISIONS MAP



DIVISION 7 COUNTIES
 Benton, Carroll, Crockett,
 Dyer, Gibson, Henry, Lake,
 Obion, Weakley

DIVISION 8 COUNTIES
 Chester, Decatur, Fayette,
 Hardeman, Hardin, Haywood,
 Henderson, Lauderdale,
 Madison, McNairy, Shelby, Tipton

DIVISION 5 COUNTIES
 Cannon, Cheatham, Davidson,
 Dickson, Houston, Humphreys,
 Macon, Montgomery, Robertson,
 Rutherford, Smith, Stewart,
 Sumner, Trousdale, Williamson,
 Wilson

DIVISION 6 COUNTIES
 Bedford, Coffee, Franklin, Giles,
 Hickman, Lawrence, Lewis,
 Lincoln, Marshall, Maury,
 Moore, Perry, Wayne

DIVISION 4 COUNTIES
 Clay, Cumberland, DeKalb,
 Fentress, Jackson, Overton,
 Pickett, Putnam, White,
 Van Buren, Warren

DIVISION 3 COUNTIES
 Bledsoe, Bradley, Grundy,
 Hamilton, Marion, McMinn,
 Meigs, Monroe, Polk, Rhea,
 Sequatchie

DIVISION 2 COUNTIES
 Anderson, Blount, Campbell,
 Claiborne, Cocke, Grainger,
 Hamblin, Jefferson, Knox,
 Loudon, Morgan, Roane,
 Scott, Sevier, Union

DIVISION 1 COUNTIES
 Carter, Green, Hancock,
 Hawkins, Johnson, Sullivan,
 Unicoi, Washington

5.5 Assignment Statistics

Maximum field strength for co-channel operation is 5 dBu

Maximum field strength for adjacent channel operation is 25 dBu

Total number of channels assigned	154
Total number of unassigned channels	71
Total number of reserved channels	5

5.6 Expansion of Initial Allocation

In the event that the allocation for any county becomes depleted, the Region Review Committee shall meet to make further allocations to that county. Should this occur, the applying agency or entity shall submit the proper license and coordination applications with all applicable fees, as in any other licensing request. Allocations will be made based on the initial frequency allocation plan as mentioned above, considering the channels that were returned to the reserve pool.

5.7 Prioritization of Applicants

A very simple method of prioritization has been chosen for use in this Region. As there is no unmet spectrum requirement, there appears to be no great need for prioritization. To facilitate future problems that may arise, the following rating system shall be used.

Prioritization shall be done according to a final score, based on applicant criteria. The highest score, in points, shall be given priority in a situation where spectrum is insufficient to fulfill the needs of all.

Public Safety Agencies	2 Points
Public Services Agencies	1 Point
Multi-agency Systems	2 Points
Multi-agency/Multi Jurisdiction Systems	3 Points
Single Agency/Jurisdiction Systems	1 Point

5.8 Appeal Process

At any time, any applicant may appeal an allocation, rejection, or any limits placed on a particular application for any reason. The appeal process has two levels; the Region Review Committee, and the FCC. An applicant who decides to appeal a rejection should initiate that appeal immediately upon notification of rejection. In the event that an appeal reaches the FCC, their decision will be final and binding upon all parties.

6.0 THE REGION 39 PLANNING COMMITTEE

6.1 Current Officers

CURRENT CHAIRPERSON:

John W. Johnson, Chairman
Tennessee Emergency Management Agency
3041 Sidco Drive
Nashville, TN 37204
615 741 – 3826 Voice
615 741 – 6027 Fax
Email: jjohnson@tnema.org

VICE CHAIRPERSON:

Jesse D. Griggs
Tennessee Department of Correction
Rachel Jackson State Office Building
Nashville, TN 37243
615 253 – 8098 Voice
615 741 - 4605
Email: jesse.d.griggs@tn.gov

The Regional Planning Committee Continued

6.2 Members

THE REGIONAL PLANNING COMMITTEE 1992

Name	Organization/Address	Telephone #
Allen, Don	Hamilton County EMA 317 Oak Street Chattanooga, Tennessee 37403	(615) 757-2300
Allman, John	Brentwood Fire Department 5211 Maryland Way Brentwood, Tennessee 37221	(615) 371-0170
Austin, Kenneth	Metro Radio Shop 41 Peabody Street Nashville, Tennessee 37210	(615) 682-5111
Bateman, Ron	Martin Marietta Emergency Services 109 Danbury Drive Oak Ridge, Tennessee 37830	(615) 574-5217
Bird, John	Tennessee Association of Rescue Squads Realty World Building 820 Tulip Avenue Knoxville, Tennessee	(615) 522-9045
Brooks, Craig*	Tennessee Hospital Association 500 Interstate Boulevard South Nashville, Tennessee 37210	(615) 256-8240
Brooks, Robert Earl	NFD-EMS 2613 Mt. Laurel Drive Antioch, Tennessee 37013	(615) 781-4884
Brown, Ernie	General Electric 25 Century Boulevard Suite 504 Nashville, Tennessee 37214	(615) 391-4477
Bryant, Charles	Memphis-Shelby County EMA 125 N Mid-American Mall Memphis, Tennessee 38013	(901) 528-2780
Bull, Alan	Knoxville County Emergency Communications District 400 Main Avenue L305 Knoxville, Tennessee 37902	(615) 521-2201
Carroll, Michael A.	Department of Transportation 6600 Centennial Boulevard Nashville, Tennessee 37209	(615) 741-2277
Cohen, Alvin	Tennessee Department of General Services C2-205 Central Services Building Nashville, Tennessee 37219	(615) 741-1035
Crenshaw, Jeff	Memphis-Shelby County EMA 125 N Mid-American Mall Memphis, Tennessee 38013	(901) 528-2780

The Regional Planning Committee Continued

Name	Organization/Address	Telephone #
Crinklaw, Jim*	E.F. Johnson Company 121 Lewisville Center Suite 172 Lewisville, Texas 75056	(214) 539-1966
Curd, Lewis	Motorola 7101 Executive Center Drive, Suite 197 Brentwood, Tennessee 37027	(615) 373-0800
David, Gene*	FEMA Region IV Thomasville, Georgia 31792	(912) 225-4500
Dinsmore, Ervin	Chattanooga PD 3300 Amnicola Highway Chattanooga, Tennessee 37406	(615) 698-9703
Draughn, Ed	Sullivan County SO Box 589 Blountville, Tennessee 37617	(615) 323-5121
Dykes, Bill	City of Kingsport, Tennessee Route 2, Box 235 Church Hill, Tennessee 37642	(615) 229-9468
Eaves, Thomas	Blount County Communications Center Post Office Box 108 Alcoa, Tennessee 37701	(615) 982-4210
Eldridge, W. Kent	Department of Safety 225 Ezell Pike Nashville, Tennessee 37217	(615) 741-6799
Farris, Ronald	City of Chattanooga 3300½ Amnicola Highway Electronic Department Chattanooga, Tennessee 37406	(615) 698-9703
Fowler, Roger	Memphis State University 151 Administration Building Memphis, Tennessee 38152	(901) 678-3848
Fradly, Doug*	State Planning 309 John Sevier State Office Building Nashville, Tennessee 37219	(615) 741-1676
Fry, Jerry	MSU/Public Safety 778 Colonial Road Memphis, Tennessee 38117	(901) 678-4357
Garner, John	Shelby County 911 785 Crossover Lane, Suite 150 Memphis, Tennessee 38117	(901) 685-0911
Goodrich, Dorothy*	FCC 1365 Peachtree Street, NE, Room 440 Atlanta, Georgia 30309	(404) 279-4621
Goulet, Mark	Brentwood Fire Department 5211 Maryland Way Brentwood, Tennessee 37027	(615) 371-0160
Grantz, Don*	E.F. Johnson Company 6718 Edgeworth Drive Orlando, Florida 32819	(407) 351-2602

The Regional Planning Committee Continued

Name	Organization/Address	Telephone #
Hill, Ike*	Tennessee Sheriff's Association 501 Union Street, Suite L-102 Nashville, Tennessee 37219	(615) 242-0409
Hooper, Arnold	City of Chattanooga 3300½ Amnicola Highway Chattanooga, Tennessee 37406	(615) 698-9703
Hughes, Vince*	Intergraph Corporation One Madison Industrial Park Huntsville, Alabama 35894	(205) 730-2000
Hutchinson, James	Vanderbilt Medical Center 1161 21 st Avenue South Nashville, Tennessee 37232-7150	(615) 322-3440
Johnson, John W.	Tennessee Emergency Management Agency 3041 Sidco Drive Nashville, Tennessee 37204	(615) 741-3826
Johnston, Ken	Motorola 520 Augusta National Highway Knoxville, Tennessee 37922	(615) 690-6110
Jones, Mike*	Martin Marietta ES 701 Scarboro Road, MS-8227 Oak Ridge, Tennessee 37831-8227	(615) 574-5217
Kaldenbach, Brian*	Martin Marietta Emergency Services Post Office Box 2003 MS 7591 Oak Ridge, Tennessee 37831-7591	(615) 576-2863
Key, Tom	Knox County 911 Suite L-305 400 Main Avenue Knoxville, Tennessee 37902	(615) 521-2201
Lane, Pat	MSU/TV/FM 3390 Northwood Drive Memphis, Tennessee 38111	(901) 458-2521
Lowry, Ike	Sullivan 911 485 Blountville Blountville, Tennessee 37617	(615) 323-9111
Lyons, Otto	Assistant Chief Bartlett Fire Department 2939 Alturia Bartlett, Tennessee 38134	(901) 385-6412
McDonald, Robert	Department of Safety 225 Ezell Pike Nashville, Tennessee 37217	(615) 741-6799
McKinney, Mac	G.E. 25 Century Boulevard, Suite 504 Nashville, Tennessee 37214	(615) 391-4477
McKukehn, Roy*	Governors Planning Office Nashville, Tennessee 37249	(615) 741-1676

The Regional Planning Committee Continued

Name	Organization/Address	Telephone #
McNeill, Bob	Washington County 911 Post Office Box 448 Johnson City, Tennessee 37605	(615) 928-8071
Mims, Ed*	Motorola Communications 7101 Executive Center Drive, Suite 197 Brentwood, Tennessee 37017	(615) 373-0800
Mitchell, John*	Mitchell Group 845 Crossover, Suite 119 Memphis, Tennessee 38117	(901) 682-0086
Mize, Jerry	Tennessee Wildlife Resources Agency 900 Breckenridge Brownsville, Tennessee 38012	(615) 781-6580
Mosca, John	Post Office Box 955 Norris, Tennessee 37828	(615) 690-6110
Muse, Allen	Metro Police 2060 15 th Avenue South Nashville, Tennessee 37212	(615) 862-8554
Myers, Richard	Warren County EMA Route 3, Box 279 McMinnville, Tennessee 37110	(615) 473-5312
Neal, Roy Turner	Tennessee Dept of Health and Environment - EMA 287 Plus Park Boulevard Nashville, Tennessee 37217	(615) 367-6275
Patterson, Edgar	Montgomery County SO 120 Commerce Street Clarksville, Tennessee 37040	(615) 648-0611
Phipps, Charles	Tennessee Wildlife Resources Agency 312 S. Baird Lane Murfreesboro, Tennessee 37130	(615) 781-6580
Pierce, Ken	State of Tennessee F&A 598 James Robertson Parkway Nashville, Tennessee	(615) 741-5239
Pollock, Steve	Department of Environment and Conservation 245 Blanton Avenue Nashville, Tennessee 37210	(615) 741-0671
Poynter, Bob	Knox County 911 Suite L-305 400 Main Avenue Knoxville, Tennessee 37902	(615) 521-2201
Proctor, Cory	Shelby County Fire Department 1115 Sycamore View Road Memphis, Tennessee 38134	(901) 385-5100
Randall, Bernard T.	Rural Metro Fire Department 6700 Baum Drive Knoxville, Tennessee 37919	(615) 693-2511
Raney, Fred	Tennessee Department of Corrections 320 6 th Avenue North Rachel Jackson Building Nashville, Tennessee 37219	(615) 741-1067

The Regional Planning Committee Continued

Name	Organization/Address	Telephone #
Richardson, Charles	Metro Radio Shop 41 Peabody Street Nashville, Tennessee 37210	(615) 862-5111
Rummage, James III	Brentwood Fire Department Post Office Box 788 5211 Maryland Way Brentwood, Tennessee 37024	(615) 371-0170
Russell, Joseph	City of Memphis 125 N Mid America Mall Memphis, Tennessee 38103	(615) 576-6233
Shamburg, Duane*	E.F. Johnson Company 2156 Murfreesboro Road 1417 Nashville, Tennessee 37217	(615) 361-1528
Stanford, Michael	Henderson County Fire Department 147 S. Broad Lexington, Tennessee 38351	(901) 968-7710
Tapp, Richard	Bartlett Fire Department 4855 Memphis Arlington Bartlett, Tennessee 38135	(901) 385-6412
Truebger, Harold	Memphis Fire Department 79S. Flicker Street Memphis, Tennessee 38104	(901) 320-5305
Watson, LT John	Hendersonville PD Post Office Box 0541 Hendersonville, Tennessee 37075	(615) 822-1111
White, John	Tennessee Emergency Management Agency 3041 Sidco Drive Nashville, Tennessee 37204	(615) 741-4332
Williams, Harold R.	City of Memphis Police and Fire 79 S. Flicker Street Memphis, Tennessee 38104	(901) 323-1655
Wolfe, David	Tennessee Emergency Management Agency 3041 Sidco Drive Nashville, Tennessee 37204	(615) 741-2749
Wright, Richard	Tennessee Bureau of Investigation Building 1148, Foster Avenue Cooper Hall Nashville, Tennessee 37210	(615) 741-0430

EXHIBIT A

TN Population and Expected Growth Percentage

County	1990	2000	% Increase or Decrease
Tennessee	4,877,185	5,179,999	+6.2
Anderson	68,250	67,864	-.5
Bedford	30,411	33,565	+9.3
Benton	14,524	14,240	-1.9
Bledsoe	9,669	10,132	+4.7
Blount	85,969	94,005	+9.3
Bradley	73,712	79,851	+8.3
Campbell	35,079	34,890	-.5
Cannon	10,467	10,890	+4.0
Carroll	27,514	26,655	-3.1
Carter	51,505	51,777	+.5
Cheatham	27,140	34,313	+26.0
Chester	12,819	12,849	-.2
Claiborne	26,137	27,522	+5.0
Clay	7,238	6,929	-4.2
Cocke	29,141	29,358	+.7
Coffee	40,339	42,903	+6.3
Crockett	13,378	11,855	-11.3
Cumberland	34,736	41,622	+19.8
Davidson	510,784	540,574	+5.8
Decatur	10,472	10,019	-4.3
DeKalb	14,360	15,012	+4.5
Dickson	35,061	41,803	+19.2
Dyer	34,854	35,387	+1.5
Fayette	25,559	25,373	-.7
Fentress	14,669	14,264	-2.7
Franklin	34,725	36,896	+6.2
Gibson	46,315	43,557	-5.9
Giles	25,741	26,901	+4.5
Grainger	17,095	17,445	+2.0
Greene	55,853	56,624	+1.3
Grundy	13,362	12,761	-4.4
Hamblen	50,480	51,708	+2.4
Hamilton	285,536	280,524	-1.7
Hancock	6,739	6,491	-3.6
Hardeman	23,377	22,853	+2.2
Hardin	22,633	23,188	+2.4

TN Population and Expected Growth Percentage Continued

County	1990	2000	% Increase or Decrease
Hawkins	44,565	44,926	+ .8
Haywood	19,437	18,330	-5.6
Henderson	21,844	22,097	+1.1
Henry	27,888	26,694	-4.2
Hickman	16,754	18,440	+10.0
Houston	7,018	7,044	-.3
Humphreys	15,795	15,567	-1.4
Jackson	9,297	9,344	+ .5
Jefferson	33,016	34,532	+4.5
Johnson	13,766	13,388	-2.7
Knox	355,749	350,215	-1.5
Lake	7,129	6,951	-2.4
Lauderdale	23,491	22,382	-4.7
Lawrence	35,303	37,150	+5.2
Lewis	9,247	8,756	-5.3
Lincoln	28,157	30,364	+7.8
Loudon	31,255	34,264	+9.6
McMinn	42,383	42,389	0.0
McNairy	22,422	22,151	-1.2
Macon	15,906	16,276	+2.3
Madison	77,982	81,438	+4.4
Marion	24,860	25,349	+1.9
Marshall	21,539	23,942	+11.1
Maury	54,812	59,104	+7.8
Meigs	8,033	8,628	+7.4
Monroe	30,541	32,429	+6.1
Montgomery	100,498	120,707	+20.1
Moore	4,721	4,914	+4.0
Morgan	17,300	17,899	+3.4
Obion	31,717	30,796	-2.9
Overton	17,636	17,561	-.4
Perry	6,612	7,111	+7.5
Pickett	4,548	4,707	+3.4
Polk	13,643	13,539	-.7
Putnam	51,373	55,939	+8.8
Rhea	24,344	24,367	0.0
Roane	47,277	44,907	-5.0
Robertson	41,494	46,795	+12.7
Rutherford	118,570	169,404	+42.8
Scott	18,358	17,686	-3.6

TN Population and Expected Growth Percentage Continued

County	1990	2000	% Increase or Decrease
Sequatchie	8,863	9,182	+2.9
Sevier	51,043	63,057	+23.5
Shelby	826,330	867,032	+4.9
Smith	14,143	13,508	-4.4
Stewart	9,479	10,509	+10.8
Sullivan	143,596	141,262	-1.6
Sumner	103,281	122,502	+18.6
Tipton	37,568	43,162	+14.8
Trousdale	5,920	5,667	-4.4
Unicoi	16,549	16,321	-1.3
Union	13,694	15,939	+16.3
Van Buren	4,846	4,826	-.4
Warren	32,992	33,121	+.3
Washington	92,315	94,766	+2.6
Wayne	13,955	13,899	-.4
Weakley	31,972	31,574	-1.2
White	20,090	20,679	+2.9
Williamson	81,021	110,498	+36.3
Wilson	67,675	81,413	+20.2

APPENDIX A

Chancellor Thomas J. Garland
Tennessee Board of Regents
1415 Murfreesboro Road, Suite 350
Nashville, Tennessee 37217

Chief David Key, President
Tennessee Chief's of Police Association
P.O. Box 541
Hendersonville, Tennessee 37075

Commissioner Elbert T. Gill
Department of Conservation
701 Broadway
Nashville, Tennessee 37219

Commissioner James E. Word
Department of Health and Environment
344 Cordell Hull Building
Nashville, Tennessee 37219

Commissioner Jimmy Evans
Department of Transportation
James K. Polk State Building
Nashville, Tennessee 37219

Commissioner Robert D. Lawson
Department of Safety
1150 Foster Avenue
Nashville, Tennessee 37210

Commissioner William B. Whitson
Department of General Services
Central Services Building
Nashville, Tennessee 37219

Commissioner Stephen H. Norris
Department of Corrections
320 Sixth Avenue North
Nashville, Tennessee 37219

Director Arzo Carson
Tennessee Bureau of Investigation
1200 Foster Avenue, P.O. Box 100940
Nashville, Tennessee 37210

Director Lacy E. Suiter
Tennessee Emergency Management Agency
3041 Sidco Drive
Nashville, Tennessee 37204

Director Phil May
FEMA, Region Four

1371 Peachtree Street, N.E.
Atlanta, Georgia 30309

Executive Director
Tennessee Sheriff's Association
P.O. Box 2990
Nashville, Tennessee 37219

Executive Director Gary T. Myers
Tennessee Wildlife Resources Agency
P.O. Box 40747
Nashville, Tennessee 37204

Federal Communications Commission
Private Radio Bureau
1919 M Street, NW, Room 5002
Washington, DC 20554

Honorable Bill Boner
Mayor of Metro Nashville
Metro Courthouse, Room 107
Nashville, Tennessee 37201

Honorable Gene Roberts
Mayor Chattanooga
City Hall, East Eleventh Street
Chattanooga, Tennessee 37402

Honorable Ned McWherter
State Capitol
Nashville, Tennessee 37219

Honorable Richard C. Hackett
Mayor of Memphis
Second Floor
125 N. Mid-America Mall
Memphis, Tennessee 38103

Honorable Victor Ashe
Mayor of Knoxville
P.O. Box 1631
Knoxville, Tennessee 37901

Honorable William N. Morris, Jr.
Mayor of Shelby County
160 N. Mid-American Mall, Eighth Floor
Memphis, Tennessee 38103

John H. Bird, Executive Director
Tennessee Association of Rescue Squads
Realty World Building, 820 Tulip Avenue
Knoxville, Tennessee 37912

Appendix A Continued

Major General Carl D. Wallace
The Adjutant General
3041 Sidco Drive, Houston Barracks
Nashville, Tennessee 37204

Mike Stanford, President
Tennessee Fire Chiefs Association
Henderson County Courthouse
Lexington, Tennessee 38351

Mr. Dalton Roberts
Hamilton County Executive
208 Courthouse
Chattanooga, Tennessee 37402

Mr. Doug Frady
State Planning Agency
309 John Sevier State Building
Nashville, Tennessee 37219

Mr. Dwight Kessel
Knox County Executive
400 Main Street, Suite 651
Knoxville, Tennessee 37902

Mr. Ernest R. Brown
General Electric Company
1661 Murfreesboro Road, Suite M
Nashville, Tennessee 37217

Mr. Jerry Mize
Tennessee Chapter APCO
900 Breckinridge
Brownsville, Tennessee 38012

Mr. Larry J. Lyda
Tennessee Emergency Number Association
317 Oak Street, Room 315
Chattanooga, Tennessee 37403

Mr. Lewis Curd
Motorola, Inc.
7101 Executive Center Drive, Suite 197
Brentwood, Tennessee 37027

Mr. Mike Carroll
AASHTO Frequency Coordinator - Tennessee
6600 Centennial Boulevard
Nashville, Tennessee 37209

Mr. Milt Lennert
E.F. Johnson Company
1184 Pine Tree Lane
Bartlett, Illinois 60103

Mr. Robert Tall
APCO National Office
P.O. Box 669
New Smyrna Beach, Florida 32070

Mr. Roy Turner Neal
Tennessee Chapter APCO
Emergency Medical Services
287 Plus Park Boulevard
Nashville, Tennessee 37219-5407

Mr. Steve Pollock
Tennessee Chapter APCO
245 Blanton Avenue
Nashville, Tennessee 37210

Tennessee County Commissioners Association
226 Capitol Boulevard Building, Suite 700
Nashville, Tennessee 37219

Tennessee County Commissioners Association
226 Capitol Boulevard Building, Suite 700
Nashville, Tennessee 37219

Tennessee County Commissioners Association
226 Capitol Boulevard Building, Suite 700
Nashville, Tennessee 37219

Tennessee Hospital Association
500 Interstate Boulevard South
Nashville, Tennessee 37210

Tennessee Medical Association
112 Louise Avenue
Nashville, Tennessee 37203

Tennessee Municipal League
226 Capitol Boulevard Building
Nashville, Tennessee 37219

Tennessee School Board Association
500 Thirteenth Avenue, North
Nashville, Tennessee 37203

Tennessee School Superintendents Association
10th and Charlotte Avenue, Suite A

Appendix A Continued

Nashville, Tennessee 37203

Tennessee Veterinary Medical Association
226 Capitol Boulevard Building
Nashville, Tennessee 37219

APPENDIX B

INSERT PROOF OF PUBLICATION FROM THE TENNESSEAN NEWSPAPER FOR
ADVERTISEMENT OF THIRD MEETING AS A-2.

Publilshed in the Original Plan

On file at the Chairman's Office

INSERT NOTICE OF INTENT TO FILE AS SENT OUT OVER THE TIES/NCIC
COMPUTER NETWORK AS A-3.

Published in the Original Plan

On file at the Chairman's office

INSERT PROOF OF PUBLICATION FROM THE TENNESSEAN NEWSPAPER FOR
INTENT TO FILE AS A-4.

Publilshed in the Original Plan

On file at the Chairman's office

Appendix C By-Laws

Bylaws of the 800 MHz Regional Planning Committee- Region 39 (State of Tennessee)

BYLAWS OF REGION 39

NAME & PURPOSE

1.1 Name and purpose. The name of this Region shall be Region 39 800 MHz NPSPAC Regional Planning Committee. Its primary purpose is to foster and promote cooperation, planning, development and evolution of Regional Plans and the implementation of this plan in the 800 MHz Public Safety Band within the State of Tennessee.

MEMBERS

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

2.1 Numbers, Election and Qualification. The Regional 39 800 MHz Regional Planning Committee shall have two classes of members, “voting members” and “non-voting members.” New members may be added at annual, special, or regular meetings. Tools to promote participation and involvement in the Region 39 800 MHz Committee in the form of a list-serve and/or regional newsletters will be researched by the committee. A newsletter may be distributed in either electronic or in print form.

Voting Members. Voting members shall consist of one (1) representative from any single agency engaged in public safety eligible to hold a license under 47 CFR 90.20, 47 CFR 90.523 or 47 CFR 2.103 and are employed or volunteer in public safety in Region 39. Except that a single agency shall be allowed no more than one vote for each distinct eligibility category (e.g. police, fire, EMS, EMA, highway) 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 in which he or she represents. **Voting members may not vote on issues involving their entity.**

Non-Voting Members. Non-voting members are all other non-public safety personnel interested in furthering the goals of public safety communications.

2.2 Dual Membership. A voting member may not be a voting member of another Region. Since Region 39 has several large cities on or near state borders, some members may want to participate in another committee. It is permissible to be a non-voting member in another Region and be a voting member in Region 39 as long as the Voting Member requirement are met as set forth in section 2.1.

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

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

2.5 Suspensions and Removal. A representative may be suspended or removed with cause by vote of a majority of members after reasonable notice and opportunity to be heard. Region 39 will hold at least one (1) meeting in a calendar year. To retain consistent voting rights, members should attend one (1) meeting in a 24-month period. After the date of approval of this Regional Plan by the Federal Communications Commission, all previous attendees are voting members, with the exception of non-voting commercial members. After the acceptance of this Regional Plan, voting members that do not attend one meeting in a 24-month period that starts on the date of plan acceptance, will lose Region 39 voting rights for either a 6 month period or when the member attends the next Regional Planning Committee meeting, whichever comes first. Attending a meeting is all that is required to immediately reinstate voting members voting rights. The loss of voting rights does not remove a member from active status; it simply requires attendance at a meeting (Special or Regular) to reinstate voting privileges. The voting limitations of an individual have no effect on the voting ability of a public safety entity. The public safety entity reserves the right to send another representative to vote on issues regarding 800 MHz implementation, or send the original voting representative to the next special or regular meeting.

A vote of the committee is the final determining factor regarding removal of a member from Region 39. A period of 6 months from the first day of removal is required before a removed member is eligible for reinstatement for membership in the Regional Planning Committee.

2.6 Resignation. A member may resign by delivering written resignation to the chairman, vice-chairman, treasurer or secretary of the Regional Committee or to a meeting of the members. A resigning member is eligible for reinstatement to the Regional Planning Committee after a period of six months has lapsed, beginning on the first day of resignation.

2.7 Meetings. The Region 39 800 MHz Planning Committee will meet no less than one (1) time per calendar year. The annual meeting may be held in Nashville, Tennessee area. This is centrally located within Region 39 and will provide the maximum opportunity for regional participation. Any additional meetings may be located in a different city or town within the Region to attract and promote involvement in the committee. The Annual meeting should be held in the last quarter of calendar year and will be set the Chairperson. Committee meetings will not be held on holidays or weekend days, unless called by the Region 39 Chairperson or as part of a public safety conference. At any time and when deemed necessary by the Chairperson, an additional meeting of the Region 39 Regional Planning Committee may be called. Video and/or Audio Teleconferencing may be conducted at meetings to include as many people as possible in the 800 MHz allocation process. The use of electronic E-mail and the Region 39 list-server (reg39rpc@region39.org) will be utilized

by members and officers of Region 39 as needed to convey regional issues at hand. It should be noted the use of E-mail does not remove the voting eligibility requirement of the member to participate in at least one (1) of the Region 39 annual meeting.

2.8 Special Meetings. The Chairperson has the authority to call a meeting of the Regional Planning Committee when he deems it in the best interest of the Region and will provide notice of the special meeting to existing members of the Region (and the public) at least 5 days prior to the meeting. Special meetings of the members may be held at any time and at any place within the Regional Committee area. Special meetings of the members may be called by the chairman or by the vice-chairman, or in case of death, absence, incapacity, by any other officer or, upon written application of two or more members.

2.9 Call and Notice.

A. Annual meeting

Reasonable notice of the time and place of scheduled meetings of the members, not being less than 30 days, shall be given to each member. Such notice may specify the purposes of a meeting, but will specify meeting content if required by law or these bylaws or unless there is to be considered at the meeting (i) amendments to these bylaws or (ii) removal or suspension of a member who is an officer. Announcements of meetings, stating the time and place where the meeting is to be held, may be published in newspapers, land mobile radio periodicals, and disseminated via E-mail and other electronic forms such as Tennessee Information Enforcement System. In addition, a press release may be issued; urging parties interested in public safety communications to attend. **Region 39 will notify the Federal Communications Commission, Chief of the Wireless Telecommunications Bureau, when a meeting time and place has been established for the Region 39 800 MHz Regional Planning Committee at least 30 days prior to the meeting.**

B. Reasonable and sufficient notice

Except as otherwise expressly provided, it shall be reasonable and sufficient notice to a member to send notice by mail at least five days or by e-mail/facsimile at least three days before any special meetings, addressed to such member at his or her usual or last known business address, or, to give notice to such member in person or by telephone at least three days before the meeting.

2.10 Quorum

At any meeting of the members, a majority of the officers and a minimum of at least three (3) voting members shall constitute a quorum. Any meeting may be adjourned to such date or dates not more than sixty days after the first session of the meeting by a majority of the votes cast upon the question, whether or not a quorum is present, and the meeting may be held as adjourned without further notice.

2.11 Action by Vote

Each voting member, representing a particular agency (one vote per agency) shall have one vote; non-voting members have no voting rights. When a quorum is present at any meeting, a majority of the votes properly cast by voting members present shall decide any question, including election to any office, unless otherwise provided by law or these bylaws.

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

2.13 Proxies

Voting members may vote either in person or by written proxy dated not more than one week before the meeting named therein, which proxies shall be filed before being noted with the secretary or other person responsible for recording the proceedings of the meeting. A RPC member present via teleconference (audio or video) shall have voting status parallel to a member present at the meeting. If the facility is unable to accommodate teleconferencing (audio or video), or for any other reason teleconferencing cannot be accommodated in the meeting place, it is the responsibility of the member to attend the meeting in person or to vote by written proxy to have full voting rights. Unless otherwise specifically limited by their terms, such proxies shall entitle the holders thereof to vote at any adjournment of the meeting for which the proxy exists and the proxy shall terminate after the final adjournment of such meeting.

2.14 Voting on One's Own Application

At no time can a voting member vote on his/her application.

2.15 Special Interest Voting. A voting member **cannot** have a commercial interest in any of his/her Region and/or adjacent Region's application(s) on which he/she is reviewing, approving and/or voting.

OFFICERS AND AGENTS

3.1 Number and qualification

The officers of the Region 39 800 MHz Regional Planning Committee shall consist of a chairman, a vice-chairman and a secretary and / or treasurer. All officers must be voting members of the Regional Committee.

3.2 Election

The officers shall be elected by the voting members at their first meeting and, thereafter, at a meeting determined by the membership. The terms of the officers in the Region 39 800 MHz RPC will be for two (2) years. In order to allow for consistency in the plan creation and initialization process, the terms of elected officers will begin on the date of the FCC's approval of the Region 39 plan.

3.3 Tenure. The officers shall each hold office until the biannual election meeting of the members held within two years from the adoption of these bylaws, or until their successor, if any, is chosen, or in each case until he or she sooner dies, resigns, is removed or becomes disqualified.

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

3.5 Treasurer

The treasurer shall be the chief financial officer and the chief accounting officer of the Regional Committee. The treasurer shall be in charge of its financial affairs, funds, and valuable papers and shall keep full and accurate records thereof. **In the absence of a treasurer within the Region 39 800 MHz Planning Committee, the Chairperson shall assign Region 39 treasurer duties as deemed necessary.**

3.6 Secretary. The secretary shall record and maintain records of all proceedings of the members in a file or series of files kept for that purpose, which file or files shall be kept within the Region and shall be open at all reasonable times to the inspection of any member. Such file or files shall also contain records of all meetings and the original, or attested copies, of bylaws and names of all members and the address (including e-mail address, if available) of each. If the secretary is absent from any meeting of members, a temporary secretary chosen at the meeting shall exercise the duties of the secretary at the meeting. In the absence of a secretary within the Region 39 800 MHz Planning Committee, the Chairperson shall assign Region 39 Secretary duties as deemed necessary and may appoint a non voting member.

3.7 Combining the office of Treasurer and Secretary

If so decided by the Membership of Region 39, the duties of Treasurer and Secretary may be combined into one office.

3.8 Suspensions or Removal. An officer of the Region 39 Regional Planning Committee may be suspended with cause by vote of a majority of the voting members in attendance.

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

3.10 Vacancies. If the office of any officer becomes vacant, the voting members may elect a successor. Each such successor shall hold office for the remainder of term, and in the case of the chairman, vice chairman, treasurer and / or secretary until his or her successor is elected

and qualified, or in each case until he or she sooner dies, resigns, is removed or become disqualified.

AMENDMENTS

These bylaws may be altered, amended or repealed in whole or in part by vote. The voting members may by a two-thirds vote of a quorum, alter, amend, or repeal any bylaws adopted by the Regional Committee members or otherwise adopt, alter, amend or repeal any provision which FCC regulation or these bylaws requires action by the voting members.

DISSOLUTION

This Regional Committee may be dissolved by the consent of two-thirds plus one of an assembled quorum of the membership at a special meeting called for such purpose. The FCC shall be notified.

RULES OF PROCEDURES

The Conduct of Regional Meetings including debate and voting, shall be governed by *Simple Parliamentary Procedure*, Martha Nall, published by the University of Kentucky, College of Agriculture, Cooperative Extension Service, Publication # IP-15, Copyright 2000.

Region 39 Plan Modifications

5-31-02

Added six channels for Montgomery County with approval of the Clarksville applications

605, 628, 762, 789, 809, 829

12-13-04

Added Color State Division Map in 5.4

02-09-06

Added four additional Williamson County Channels with approval of the Franklin application
668, 695, 768, 827

12-4-07

Added approved By-Laws

12-12-08

Changed channel allocations to tables to make easier to read and to make easier to modify for
Re-banding.

4-8-09

Converted Channel allocation tables to post rebanding frequencies to comply with FCC Report
& Order.

Changed references of 821 – 824 & 866 – 869 to 806 – 809 & 851 to 853

Changed I Call to 8 CALL 90 and I TAC 1 – I TAC 4 to 8 TAC 91 – 8 TAC 94 to conform with
NPSTC Common Channel Names

Replaced International with National since these will no longer be international channels.

Update page numbers.