

PR 92-190

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PUBLIC SAFETY RADIO

COMMUNICATIONS PLAN

FOR

* REGION 49 *

THE STATE OF TEXAS

A PLAN FOR THE ALLOCATION OF PUBLIC SAFETY COMMUNICATIONS
FREQUENCY SPECTRUM WITHIN THE 800 MEGAHERTZ FREQUENCY BAND

Ms. Donna Searcy
Secretary
Federal Communication Commission
Washington, D.C 20554

Ms. Searcy:

This plan is the Region 49, State of Texas, submission to the Federal Communications Commission. It is the sincere wish by all those involved in Public Safety and Public Services communications in this state that this plan is the beginning of the end of our poor quality communications.

Many hours and dollars have gone into the preparation of this plan. The financial burden has been borne, for the most part, by the Texas Chapter of the Associated Public Safety Communications Officers. Much of the other support, such as copies and assembly was provided by the staff of the Brazos County Emergency Communications District. Meeting space was always very adequately supplied by the Texas Department of Public Safety in Austin, Texas. A special thanks is also extended to the Texas Department of Highways and Public Transportation for their valuable input into the plan.

As chairman, I would like to extend my deep gratitude to those on the committee that listened, talked, gathered and supported the construction of this plan. I would like to thank CET for their patience and labors in producing the frequency allocations. A special thanks goes to Mike Lucy, Chairman of Region 23, from the great State of Mississippi, for his sharing of Region 23's plan and Joe Blair for his insight and input from Region 40.

As I view the completed plan I feel that it is a good foundation document from which to build a solid Public Safety/Public Service Communications network for Region 49. The planning guidance has been adhered to as closely as possible.

It is with pride that I present this plan and with the sincerest wish that it will aid and assist our successors.

Sincerely,



Jeff Haislet, Chairman
Region 49, Texas
800 Planning Committee
April 20, 1992
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REGION 49 PLAN CHECK SHEET

- 1) Chairperson - name, address, phone number and signature. See Page 1.
- 2) Committee members name, organizational affiliation, address, phone numbers. See Page 57.
- 3) Summary of major elements of the plan. See Page 4.
- 4) General description of how spectrum is allotted among users. See Page 13.
- 5) Explanation of how the requirements of all eligibles are considered and met. See Page 13.
- 6) Explanation of how eligibles are prioritized in areas where not all eligibles may receive licenses. See Page 55.
- 7) Explanation of how the plan has been coordinated with adjacent regions. See Page 27.
- 8) Description of how the plan puts spectrum to best possible use by:
 1. requiring system design with minimum coverage areas. See Page 16.
 2. assigning frequencies so that maximum frequency reuse and offset channel use may be made. See Page 54.
 3. making use of trunking. See Page 13.
 4. requiring small entities with minimal requirements to join together on a single system where possible. See Page 14
- 9) Explanation of how interoperability channels are managed. See Page 8.
- 10) "Slow Growth" language. See Page 34.
- 11) Does the plan refer to GIVE BACK frequencies? If yes, see page number 26.
- 12) Use the APCO sorting program. See Page 38.
- 13) Appeal Process. See Page 56.
- 14) Does the plan provide for regional mutual aid channels, in addition to the five (5) common channels. If so, are there guard bands for these channels? See Page 28.
- 15) Describe the formation of the committee;
 1. Advertising- copy should be attached to legal notice, letters to the industry, etc. See Pages 7,37 and Appendix A.
 2. Who could vote and what procedure was used after first meeting? See Pages 7 & 8.
 3. How was the final plan adopted. Was it by members attending a meeting or mail ballot? See Page 6.

TABLE OF CONTENTS

SCOPE

Introduction.....	4
Purpose.....	5

AUTHORITY

Regional Planning Committee.....	6
Planning Committee Formation.....	7
National Interrelationships.....	8
Federal Interoperability.....	8
Regional Review Committee.....	9

SPECTRUM UTILIZATION

Region Defined.....	10
Map Of Region.....	11
Region Profile (Demographic Information).....	12
Region Population.....	12
Geographical Description.....	13
Usage Guidelines.....	13
Technical Design Requirements For Licensing.....	15
Definition of Coverage Area.....	15
System Coverage Limitations.....	16
Determination of Coverage.....	16
Annexations & Other Expansions.....	17
Coverage Area Description.....	18
Control Stations.....	19
Control Stations Used As System Backup.....	19
Interference.....	20
Procedure For Determining Service Area Contour....	20
Carey Propagation Curve, Look-up Table.....	22
Co-Channel Interference Procedure.....	23
System Engineering Exhibit.....	25
Reassignment of Frequencies.....	26
Give-back Frequencies.....	26
Unassigned Spectrum.....	26
Adjacent Region Considerations.....	27

COMMUNICATIONS REQUIREMENTS

Common Channel Implementation.....	28
Areas of Operation.....	29
Operation on the Common Channels.....	29
Operation Procedures.....	30
Calling Channel (CALL).....	30
Tactical Channels (TAC-1 Thru TAC-4).....	30
Network Operating Method.....	31
Requirements For Trunking.....	31
Channel Loading Requirements.....	33
Loading Tables.....	34
"Slow Growth" Requirement.....	34
Traffic Loading Study.....	35
Use of Long Range Communications.....	35
Expansion of Existing Systems.....	36
Use of Automatic Telephone Interconnect.....	36
Aircraft Operation.....	36
Digital Address and Encryption.....	36

IMPLEMENTATION AND PROCEDURES

Notification.....	37
Frequency Allocation Process.....	38
Frequency Allocation Listings.....	39
Frequencies Set Aside For State of Texas.....	50
Channels To Be Blocked For Statewide Frequencies.....	50
Excluded Channels.....	51
Assignment Statistics.....	54
Expansion of Initial Allocation.....	55
Prioritization of Applicants.....	55
State and Statewide Systems.....	55
Appeal Process.....	56

THE REGIONAL PLANNING COMMITTEE..... 57

Regional Planning Subcommittee.....	60
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APPENDIX A.....PUBLIC NOTICES..... A-1

SCOPE

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 an overall spectrum management approach by recommending policy guidelines, technical standards, and procedures to satisfy public safety needs for the foreseeable 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.

PURPOSE

Public safety communications has, for many years, been inadequate throughout the United States. This is as true for Texas 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 was 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, re-use, turn back, regional interoperability, spectrum requirements and adjacent region operations. This plan should provide the flexibility to accommodate the growth and changes which are bound to occur in public safety and public service communications operations long into the future.

AUTHORITY

REGIONAL PLANNING COMMITTEE

The development of the Public Safety Radio Communications Plan for Region 49, has followed the requirements of the FCC's Report and Order as issued in the matter of 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 Texas Region 49. 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 25 individuals have participated in the development process. The list herein contains the names, organizational affiliations, and mailing addresses of all participants in 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 constituted a majority for all business. Only the final approval of the plan prior to submission to the FCC required a vote from more than would be in attendance 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. In this way, the finished plan was reviewed and accepted by the widest, within reason, group of public safety/public service users.

PLANNING COMMITTEE FORMATION

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

1. Presentations concerning the requirements and goals for a regional planning committee were presented and discussed at several state organization annual meetings. At each presentation there was an opportunity for persons to place themselves and/or their agency on the mailing list for future communications.
2. Letters of announcement were mailed to each major state agency radio user, those placed on the mailing list, Regional Council of Governments, as well as to state organizations composed of local government level public safety/public service users and those federal agencies with operations in the region.
3. A bulletin announcing the first organizational meeting was transmitted, over the TCIC/NCIC computer network. This computer system allows the transmission of information simultaneously to virtually every law enforcement agency at all levels of government statewide. There are drops on this system in every county and most cities within the state.
4. A public notice was placed in the newspapers which cover nearly 99% of the population in the region. This first meeting was held at the Texas Department of Public Safety Headquarters, Austin, Texas, which is a public facility.
5. The chairman was selected at the first public meeting in an effort to move forward with the project.
6. Following the organizational meeting, meetings were held at the Texas Department of Public Safety Headquarters in Austin as needed. The planning sub-committee met on several occasions and conducted business by telephone in between the regular full committee meetings.
7. Committee membership was left open, to allow the participation of any person or agency which may not have been notified or who may have decided later to join the committee.

8. Vendor participation was encouraged in the committee work, but vendors were not allowed a vote.

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 differences 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 Service but rather it provides procedures that are the consensus of the Public Safety Radio Service and Special Emergency Radio Service user agencies in this Region. If there is a perceived conflict then the judgment of the FCC will prevail.

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, through the use of S-160 or equivalent agreements, a licensee may permit 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 up to a 2 percent increase in mobile units, provided that written documentation from Federal agencies supports at least that number of increased units.

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 which 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 consist of a City of Austin representative, a Travis County representative, a Regional Council of Governments representative, the Chairman of the Regional Planning Committee, and a member jointly appointed by the Texas Department of Public Safety and the Texas State Highway Department. Its composition will be ensured by the Texas Chapter of APCO. Membership on this committee will be solicited on an annual basis. Since this committee will probably not have regular business, it will be up to the Regional Review Committee Chairman to notify the committee of problems or conflicts. Each member of the committee shall be furnished a copy of this plan upon their appointment or election to the committee.

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 any and all license activity or present applications of the 800 MHz Public Safety/Public Service radio spectrum.

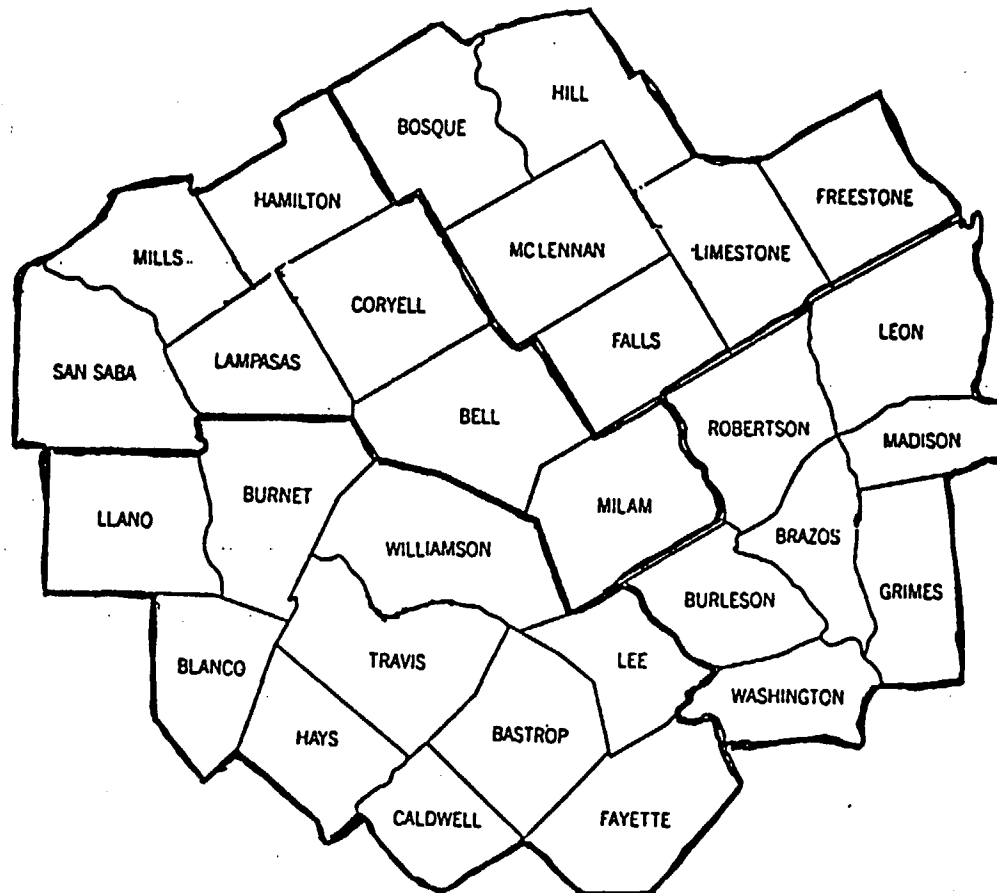
SPECTRUM UTILIZATION

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

REGION DEFINED

Region 49 is the 30 county central Texas area with Austin, the capital, as the major city. This region is the result of definition by the Federal Communications Commission as a result 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 Region 49 shall be defined as all the lands and waters contained within the boundaries of the following counties: Bastrop, Bell, Blanco, Bosque, Brazos, Burleson, Burnet, Caldwell, Coryell, Falls, Fayette, Freestone, Grimes, Hamilton, Hays, Hill, Lampasas, Lee, Leon, Limestone, Llano, Madison, McLennan, Milam, Mills, Robertson, San Saba, Travis, Washington, and Williamson.

AUSTIN
REGION 49



REGION PROFILE (Demographic Information)

The purpose of this section is to provide the basis for the assignment of frequencies, and their re-use. 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.

REGION 49 POPULATION

<u>COUNTY</u>	<u>1990 POPULATION</u>
Bastrop	41,000
Bell	188,000
Blanco	6,000
Bosque	16,000
Brazos	133,000
Burleson	14,000
Burnet	26,000
Caldwell	30,000
Coryell	63,000
Falls	17,000
Fayette	22,000
Freestone	18,000
Grimes	17,000
Hamilton	7,000
Hays	70,000
Hill	27,000
Lampasas	13,000
Lee	15,000
Leon	12,000
Limestone	23,000
Llano	14,000
Madison	12,000
McLennan	180,000
Milam	23,000
Mills	5,000
Robertson	15,000
San Saba	5,000
Travis	591,000
Washington	26,000
Williamson	139,000

TOTALS 1,768,000

The population of the region is 90% urban and 10% rural.

GEOGRAPHICAL DESCRIPTION

There are 30 counties in the region with Williamson County being the largest. There are approximately five (5) major population areas which accounts for 90% of the population in the region. This means the demands for frequencies will be especially critical for these population areas. These items were taken under consideration in the allocation process.

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 impacts the Region, will be reviewed by the Committee. Statewide public safety agencies will submit their communications plans for impact approval if they utilize communications systems within the Region and those portions of such systems must be compatible with the Regional Plan.

The next level of communication coverage will be a county/multiple municipality area. Those systems that are designed to provide area communication coverage must demonstrate 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 utilized, 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 or agencies, depending upon systems loading and the need for multiple systems within an area, must provide inter-communications between area-wide systems. In a multi-agency environment, a lead agency using 800 MHz spectrum, which may be any organization having primary response obligations, must implement the Common Channels in this band as mandated by the National Plan. Such implementation must be reviewed and approved by the Review Committee and submitted to APCO through the frequency advisor.

Municipal terminology often differs. In order to provide a title for the next level of communications the term "Township" is used to define the level below countywide. Township 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 township must consider utilizing 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 utilized 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.

TECHNICAL DESIGN REQUIREMENTS FOR LICENSING

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 received signal strength of greater than 40 dBu. This area shall normally represent the boundaries of the County or the incorporated municipality which is applying for license. In the case of regional or area-wide, multi-

jurisdictional systems, the coverage shall be that area of all jurisdictions participating in the system combined.

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 said 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 of their jurisdictional boundaries. In these situations the applicant shall provide a proposal of said service to the Review Committee, who may request planning committee review, for consideration.

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

DETERMINATION OF COVERAGE

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

Received Signal Strength: For purposes of this plan, received signal strength shall be the determining factor which defines the actual boundary of a system. The minimum signal level which 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): This shall be the transmitter output power minus all line and equipment losses multiplied by the gain to the transmitting antenna.

Data provided in the Carey Propagation Curves, which follow, shall be used to obtain the distances to the 40 dBu boundary, based on HAAT and ERP. This distance is the calculated distance from the transmitting site. The procedure for determining this distance is contained in a later section.

A minimum system shall be permitted without special consideration when it is limited to an HAAT of 100 feet and the transmitter is centrally located within the jurisdiction or jurisdictions participating in a system. In all jurisdictions, regardless of size, a maximum boundary radius of 16 miles shall be allowed provided adequate measures have been taken to assure that interference of existing co-channel and adjacent channel systems will not occur.

Preparation of these requirements shall be the responsibility of the applicant. The Federal Communications Commission provides, in part 90.309(a)(4) of the Rules and Regulations, some additional guidance for these calculations.

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 will have to be determined at the time of modification to assure non-interference with any other existing system. Where interference is likely, the use of alternate methods of expansion, such as satellite systems or "smart" repeaters may be necessary.

Should the annexation or expansion of a city effectively take in all or most of a county, the allocation for that county may be given to the city if required by said city and not in use or planned to be used by the county. Where more spectrum is not available from the initial allocation, the rules for expansion of initial allocation, as contained in this plan, shall apply.

COVERAGE AREA DESCRIPTION

All applicants shall provide with their applications a map showing the jurisdictional service area 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. Regardless of the type map used, the name of the applicant and the scale of the map shall be displayed on the map.

CONTROL STATIONS

Control stations within a system shall be limited in both transmit power, antenna height and antenna orientation. The control station design shall be such that the received signal strength at the mobile relay is approximately 6 dB above the signal of a mobile unit transmitting from the same location of the control station.

As with other stationary elements of a system, the location of all control stations shall be given, by street address, latitude and longitude. Ground elevation, antenna height, transmitter power and antenna type and orientation shall be given.

CONTROL STATIONS USED AS SYSTEM BACKUP

It is understood that some jurisdictions and/or system users will desire some method of system backup that is both effective and inexpensive. Although provisions have not been made for this in either the Federal Communications Rules and Regulations or in the NPSPAC plan, an attempt shall be made in the provisions of this Regional plan to allow such operation.

The use of a control station as a system backup makes good application and economical sense. Some minor changes may be necessary in some applications to avoid interference with adjacent systems or co-channel systems. These changes are listed below:

- * The antenna used for control purposes must be of the directional (yagi) design so that received signal strength at the mobile relay is as mentioned above.
The antenna used for backup will usually be of the omnidirectional type, but may be directional if required.

As in the mobile relay, the antenna height above average terrain and the gain of the antenna, coupled with the transmitter power must be given as listed above.

- * The calculated coverage of the backup station shall be mapped as is the mobile relay. A method to switch between antennas must be used. The method chosen shall be included with the application for license, as well as the written plan for the use of the control/backup station.

INTERFERENCE

Any control/backup station found to be causing interference to an adjacent system or co-channel interference shall be required to modify said system to eliminate all interference. This may require power reduction, changes in antenna orientation, changing antenna height or any combination.

PROCEDURES FOR DETERMINING SERVICE AREA CONTOUR

Two methods may be used to determine the service area of a system. These methods are the Okumura/Hata and the Carey Propagation methods. Due to the complexity of the Okumura/Hata method, only the Carey Curve is presented here, as a guide to assist in system planning.

At 800 MHz Okumura/Hata provides an accurate prediction of median field strengths. There are different types of structure densities and numerous other detailed correction factors for terrain undulations, overwater portions of the terrain and upward or downward terrain variations that can be applied to this model.

Carey's data was developed for TV coverage predictions and is

included in the FCC code, paragraph 73.699. Since it was developed for TV, a height correction of 9 dB is necessary. Carey also has good correlation with Okumura at distances greater than 10 miles.

CAREY CURVE METHOD

1. Convert effective radiated power from watts to dBk using the formula:
$$P(\text{dBk}) = \{10 \times \log P(\text{Watts})\} - 30 \quad (\text{B-1})$$
2. SUBTRACT this NEGATIVE number (in other words, convert it to positive and add) from 40 dBu.
3. In the look-up tables, determine the two height columns that correspond most closely with your H.A.A.T. (for example, if your HAAT is 300 feet, use the 200 and 500 columns).
4. Interpolate between the listings under the two columns to determine where the figure arrived at in Step 2 falls.
5. Read the mileage at the extreme left-hand column of the row.

E X A M P L E

To determine the service area of a UHF base station with an ERP of 125 watts and an antenna height above average terrain of 400 feet:

$$\begin{aligned} P\{\text{dBk}\} &= 10 \times \log (125) - 30 \\ P\{\text{dBk}\} &= 21 - 30 \\ P\{\text{dBk}\} &= -9 \end{aligned}$$

Subtracting:

$$\begin{aligned} F\{\text{dBu}\} &= 40 - (-9) \\ F\{\text{dBu}\} &= 49 \end{aligned}$$

From the look-up table, 49 falls between 45.6 and 52.9 as 400 is interpolated between 200 and 500. Corresponding mileage is 12.

**CAREY PROPAGATION CURVE
LOOK-UP TABLE**

	<u>UHF....F(49,49)....dBu/kW....erp</u>			
MILES	100	200	500	1000
5	60.8	66.0	72.9	79.0
6	56.9	61.7	68.7	74.6
7	53.4	58.2	65.1	71.0
8	50.2	55.1	62.0	68.0
9	47.4	52.4	59.4	65.4
10	44.8	49.9	57.0	63.1
11	42.4	47.7	54.9	60.9
12	40.2	45.6	52.9	59.0
13	38.2	43.7	51.1	57.2
14	36.3	41.9	49.5	55.4
15	34.6	40.1	47.9	53.8
16	33.0	38.5	46.3	52.2
17	31.5	37.0	44.9	50.7
18	30.0	35.6	43.5	49.2
19	28.7	34.3	42.1	47.9
20	27.5	33.0	40.8	46.5
21	26.4	31.7	39.5	45.3
22	25.3	30.6	38.3	44.1
23	24.3	29.5	37.1	42.9
24	23.3	28.4	35.9	41.9
25	22.4	27.4	34.8	40.7
26	21.5	26.4	33.8	39.7
27	20.7	25.4	32.7	38.7
28	19.9	24.5	31.7	37.7
29	19.1	23.6	30.7	36.8
30	18.4	22.7	29.8	35.9
31	17.6	21.8	28.9	35.0
32	16.9	21.0	28.0	34.1
33	16.2	20.1	27.1	33.2
34	15.6	19.3	26.3	32.4
35	14.9	18.6	25.5	31.5
36	14.3	17.8	24.6	30.7
37	13.7	17.1	23.8	29.9
38	13.0	16.4	23.0	29.1
39	12.4	15.7	22.3	28.3
40	11.8	15.0	21.5	27.6
41	11.2	14.3	20.7	26.8
42	10.6	13.7	20.0	26.0
43	10.1	13.1	19.2	25.3
44	9.5	12.5	18.5	24.5
45	8.9	11.9	17.8	23.8
46	8.4	11.3	17.0	23.1
47	7.9	10.7	16.3	22.3
48	7.3	10.1	15.6	21.6
49	6.8	9.5	15.0	20.9

**CAREY PROPAGATION CURVE
LOOK-UP TABLE CONT.**

MILES	100	200	500	1000
50	6.3	8.9	14.3	20.2
51	5.8	8.4	13.6	19.5
52	5.3	7.8	13.0	18.8
53	4.9	7.3	12.4	18.1
54	4.4	6.8	11.8	17.5
55	4.0	6.2	11.2	16.8
56	3.6	5.7	10.6	16.1
57	3.2	5.2	10.0	15.5
58	2.8	4.8	9.5	14.9
59	2.4	4.3	9.0	14.3
60	2.0	3.9	8.4	13.7
61	1.7	3.5	7.9	13.1
62	1.3	3.1	7.4	12.5
63	1.0	2.7	6.9	12.0
64	.7	2.3	6.4	11.4
65	.3	1.9	6.0	10.9
66	0.0	1.6	5.5	10.3
67	-.3	1.2	5.0	9.8
68	-.7	.9	4.5	9.3
69	-1.0	.5	4.1	8.8
70	-1.4	.2	3.7	8.3
71	-1.7	-.2	3.2	7.8
72	-2.0	-.5	2.8	7.3
73	-2.4	-.9	2.4	6.9
74	-2.7	-1.2	2.0	6.4
75	-3.0	-1.5	1.7	6.0
76	-3.3	-1.9	1.3	5.6
77	-3.5	-2.1	.9	5.3
78	-3.8	-2.4	.5	4.8
79	-4.0	-2.7	.1	4.4
80	-4.3	-3.1	-.3	3.9

CO-CHANNEL INTERFERENCE PROCEDURE

1. Determine the distance from the proposed station to the existing station.
2. If not previously known, determine service area boundary of existing station. (method is detailed on page 21)
3. Find distance from proposed station to closest point of service area boundary of the existing station. (subtract #2 from #1)
4. Based on mileage from 3 (above), E.R.P. and H.A.A.T of the proposed station, consult look-up tables for dBu level at the service area boundary of the existing station.

5. Subtract this dBu level from #1. If the result is 35 dB or greater, the proposed system will conform with the interference parameters. If the result is less than 35 dBu, the proposed system must be redesigned by lowering power, antenna height, or both until the 35 dB protection ratio is met.

Note: If the terrain between the two systems would provide additional protection that would not be evident from using the normalized H.A.A.T.'s, it will be permissible to calculate the H.A.A.T. of both existing and proposed systems along the radial line directly connecting the two stations. The resulting service area boundary of the existing station and the dBu level of the proposed station at that point would then be used to calculate the protection ratio.

E X A M P L E

Station A (proposed)	Station X (existing)
ERP: 100W (-10dBk)	200W (-7dBk)
H.A.A.T.: 500 feet, AMSL	200 feet, AMSL
Distance from A to X: 46 miles	
Service Area	
Boundary: 13 miles	11 miles

46 miles - 11 miles = 35 miles, distance from proposed to service area boundary of existing station.

From look-up tables, dBu level at 35 miles from a station with an ERP of 100 watts and HAAT of 500 feet is:
 $25.5 - 10 = 15.5 \text{ dBu}$

Subtracting this amount from the defined #1 dBu level at the service area boundary of the existing station gives 25.5 dB of protection, 9.5 dB less than the minimum required.

SYSTEM ENGINEERING EXHIBIT

Height Above Average
Terrain: _____ft.

Antenna Height To Tip:
_____ft. AGL

Antenna Mfg.:

Model: _____

Gain: _____

Transmission Line:
Type: _____
Length: _____ft
Loss/100 ft: _____dB
Total Loss: _____dB

Transmit Output
Power: _____Watts

Cavities,
Model: _____
Loss: _____dB

Jumper Loss: _____dB

Average Elevation: _____ft.

Ground Elevation: _____ft.

SYSTEM EFFECTIVE RADIATED POWER: _____WATTS

REASSIGNMENT OF FREQUENCIES

All agencies desiring to participate in the use of the new 800 megahertz spectrum shall prepare and submit a list of all VHF and UHF frequencies currently being used. Applicants are further required to identify which frequencies will be relinquished as a result of the 800MHz system implementation. Applicants are required to justify the continued use of existing frequencies not relinquished upon implementation of the new 800MHz system.

It is not consistent with the goals and objectives of this plan to permit existing frequencies to be directly reassigned or farmed down to other divisions, departments or agencies. Licensees failing to relinquish frequencies as agreed after reasonable implementation and testing period of its new system will be subject to recommendation by the Review Committee to the FCC to forfeit their 821-824/866-869 frequencies or the old VHF/UHF frequencies.

Applicants may include in their application request recommendations for reassignments of existing give-back frequencies within FCC designated radio service (e.g., fire, local government, police, etc.).

The Review Committee will advise the respective frequency advisor of all relinquished frequencies with recommendations for reassignment if desired.

UNASSIGNED SPECTRUM

Due to the fact that all of the frequency spectrum is not needed at this time the excess channel pairs will be returned to a reserve pool. These channels may be used for conflict with

adjacent Region allocations or may simply remain within this Region till needed. This does not imply that these frequencies are unavailable, only that before they can be utilized within the Region they must be coordinated via the regular APCO coordination process and within the guidelines set forth in this plan. Where possible, the channels designated for a jurisdiction in this plan shall be used. Channel selection for coordination will be done in ascending order from the last used channel pair. The following channels have been marked as unused:

610	625	630	663	664	666	668	669	670	671
672	689	691	693	694	695	696	697	698	699
700	701	704	705	707	708	709	720	722	723
724	725	726	727	729	731	732	733	734	735
736	737	738	739	740	742	744	745	747	759
760	761	764	765	766	775	779	781	784	786
791	794	796	810	812	830				

ADJACENT REGION CHANNEL CONSIDERATIONS

Coordination with adjacent regions shall be an on-going process until all region plans have been finalized. A copy of this plan has been sent to all adjacent regions for comments and at the time of submission no comments have been received. The adjacent regions with which coordination has been conducted are: Dallas/Ft. Worth Area (Region 40); West Texas Area (Region 50); Houston Area (Region 51); Panhandle Area (Region 52); and the Rio Grande Valley Area (Region 53). The wireline and non-wireline cellular companies have been notified of the region frequency distribution.

As the use of the five National channels is not considered a day-to-day function, the "hard" coordination for the use of these channels is not considered to be 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.

COMMUNICATIONS REQUIREMENTS

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 in accordance with the provisions of the National Plan.

The calling channel (821/866.0125 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 within the area to meet this requirement.

The four Tactical Channels will be assigned state-wide, for use as needed by all eligible licensees. These channels are to be

used in accordance with the National Plan and in compliance with the regulations as set forth by the Federal Communications Commission. These channels require no special licensing, 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.

AREAS OF OPERATION

The common channels shall be available for use throughout the Region. No specific assignments were deemed necessary within the Region.

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 or for interagency communications not requiring interoperability. In major emergency situations, one or more tactical channels may be assigned by the primary Public Safety Agency within that area of operation. The primary Public Safety agency in each county 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 which occur within the corporate limits of said city. These primary agencies will assign one or more of the Tactical channels for use according to need during each special situation requiring the use of these

channels.

Participants in the interoperable channels include Federal, State, and Local Disaster Management agencies. Police, Fire, and providers of Basic and Advanced Life support services 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 may also participate to the extent required to insure the safety of the public. These agencies include the Highway Department, Texas Forest Service, Texas Parks and Wildlife, and other special service agencies not normally involved in day to day public safety operations.

OPERATION PROCEDURES

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

Calling Channel (CALL)

The calling 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 utilized as an ongoing working channel. Once contact has been established between agencies, an agreed upon Tactical or mutual aid channel shall be used for continued communications.

Tactical Channels (TAC 1 - TAC 4)

These frequencies are reserved for use by those agencies involved in interagency communications. Incidents requiring multi-agency participation will utilize 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 TAC-1 through TAC-4 be used when possible.

TAC-1	Law Enforcement
TAC-2	Fire Services
TAC-3	Emergency Medical Services
TAC-4	Command and Control

NETWORK OPERATING METHODS

Communications systems on TAC 1 thru TAC 4 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 of the Tactical channels. In many areas the common channels will be utilized on a mobile to mobile talk-around basis. Mobile relays on TAC 1 thru TAC 4 will be on a limited coverage design to permit reuse of the channel several times within the Region and in adjacent regions.

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 channels 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 showings as to why 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 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, users should consider consolidating their communications system with other 800 MHz trunked radio systems in the area, if spectrally efficient. 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 utilizing 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.

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 in order to obtain the new frequency. However, if the single frequency is not loaded to more than 50 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 as a method of 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.

LOADING TABLES

<u>EMERGENCY</u>		<u>NON-EMERGENCY</u>	
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 70 percent will lose operating authority on a sufficient number of 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. Applications will be required to be licensed as "slow growth" in accordance with Section 90.629

of the Commission's rules.

TRAFFIC LOADING STUDY

Justification for adding frequencies, or retaining existing frequencies, can be provided by a traffic loading study in lieu 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.

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 lead 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 who 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.

EXPANSION OF EXISTING SYSTEMS

Existing systems that are to be expanded to include the frequency bands of 821 - 824/866 - 869 MHz will have their mobile radios "grandfathered", provided that 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 frequency bands 806 - 821/851 - 866 MHz may not be used in the frequency bands 821 - 824/866-869 MHz.

USE OF AUTOMATIC TELEPHONE INTERCONNECT

The use of a car radio telephone via automatic interconnect through an 800 MHz trunked radio system or other type two-way radio communications system will normally require a significant amount of air time. Therefore, the use of automatic interconnect for radio telephone is not recommended for individuals or agencies which have a vast need for interconnect.

AIRCRAFT OPERATION

Radio equipment installed in aircraft that operates on channels in the 821-824/866-869 MHz spectrum shall be limited to a maximum ERP of ONE watt. Individual cases of routine harmful interference at this power level may require reduced ERP at the discretion of the Regional Review Committee.

DIGITAL ADDRESS AND ENCRYPTION

The Regional Review Committee will approve the use of digital transmissions contingent upon the demonstration of spectrum efficiency (i.e. bandwidth, frequency and time) consistent with the user(s) need.

IMPLEMENTATION AND PROCEDURES

NOTIFICATION

Several methods of notification were used to invite interested parties to participate in the development of this plan. Initially, notices were mailed out to be published in the primary newspapers of each town with over 20,000 population. These notices were published 2 times 60 days prior to the first regional planning meeting on November 14, 1989.

Supplemental to the newspaper contact, a personal announcement was made to the four (4) regional council of governments at their joint meeting in Austin and the announcement was sent via Texas Law Enforcement Teletype System to all criminal justice agencies in the region. A large number of other interested parties who had requested notification were sent letters of invitation.

During the initial meeting, names and addresses 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 Texas Department of Public Safety Headquarters in Austin, Texas on May 23, 1991. 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 letter was sent to all interested parties advising them of the plan completion and the intention to file with the Federal Communications Commission.

FREQUENCY ALLOCATION PROCESS

The method used for "packing" Region 49 was the APCO C.E.T. computerized method. The approximate geographical location for the center of each county, in latitude and longitude, were provided to APCO C.E.T. along with the environmental type of the county and the approximate radius to cover the county lines. Along with this information, a list of frequencies to block along the Region 49 border was included. The final run was made, corrected and is contained in this plan in the next section.

The actual assignment of frequencies is for 4 channel pairs per county. This allocation is the minimum and only applies to counties with a population of 50,000 or less. These allocations are reflected in the following tables and maps. This type of assignment leaves a reserve pool of channels for future assignment. Since Region 49 is both rural and urban there will be a need in some urban areas for more than the initial allocation.

presented earlier in this plan. One additional channel will be allowed for each 20,000 population over 50,000 within an area, just as in the initial allocation. In the event that an assigned channel can not be used due to adjacent Region activity, un-used channels from surrounding counties may be used, following review and selection by the Region Review Committee.

FREQUENCY ALLOCATION LISTING

Below is the data, or packing plan generated by APCO C.E.T. via the computerized packing program. The first section is the county by county information provided, followed by the packing plan.

MULTIPLE SITES

COUNTY/SITE	LAT.			LONG.			#OF CHAN.	RADIUS	ENVIRONMENT
Bastrop	30	15	5	97	18	43	4	10	2
	30	6	3	97	10	48	4	10	2
	30	10	13	97	12	36	4	10	2
	30	4	22	97	27	27	4	10	2
	29	57	25	97	18	44	4	10	2
Bell	31	10	40	97	23	29	11	10	2
	31	1	56	97	16	34	11	10	2
	30	55	18	97	23	29	11	10	2
	31	1	24	97	44	15	11	10	2
	30	59	33	97	33	11	11	10	2
	31	6	2	97	33	11	11	10	2

MULTIPLE SITES - CONTINUED

COUNTY/SITE	LAT.	LONG.	#OF CHAN.	RADIUS	ENVIRONMENT
Blanco	30 22 8	98 16 41	4	7	2
	30 24 37	98 28 48	4	7	2
	30 23 48	98 22 44	4	7	2
	30 3 55	98 24 28	4	7	2
	30 10 33	98 28 48	4	7	2
	30 17 60	98 28 48	4	7	2
	30 13 2	98 19 22	4	7	2
Bosque	32 2 34	97 38 16	4	10	2
	31 58 25	97 48 38	4	10	2
	31 48 29	97 41 42	4	10	2
	31 53 27	97 31 19	4	10	2
	31 45 11	97 33 3	4	10	2
	31 48 29	97 27 51	4	10	2
Brazos	30 28 5	96 13 21	8	8	1
	30 36 2	96 17 30	8	8	1
	30 40 40	96 27 40	8	8	1
	30 50 20	96 16 35	8	8	1
	30 43 19	96 17 50	8	8	1
Burleson	30 35 46	96 38 44	4	9	2
	30 31 47	96 47 2	4	9	2
	30 25 34	96 38 44	4	9	2
	30 26 53	96 26 16	4	9	2
	30 29 32	96 33 12	4	9	2
Burnet	30 55 34	97 59 9	4	8	2
	30 55 34	98 19 55	4	8	2
	30 55 34	98 10 14	4	8	2
	30 43 39	98 18 32	4	8	2
	30 34 23	98 17 9	4	8	2
	30 33 43	98 11 9	4	8	2
	30 42 59	98 7 46	4	8	2
	30 49 37	98 5 0	4	8	2
Caldwell	29 56 2	97 38 39	4	8	2
	29 50 53	97 45 25	4	8	2
	29 48 6	97 27 59	4	8	2
	29 45 19	97 36 42	4	8	2
Coryell	31 32 25	97 43 58	5	11	2
	31 20 50	97 38 46	5	11	2
	31 14 32	97 51 38	5	11	2
	31 25 8	97 57 23	5	11	2
Falls	31 21 56	96 50 46	4	9	2
	31 15 31	96 46 58	4	9	2
	31 8 4	97 0 59	4	9	2
	31 12 59	96 54 45	4	9	2

MULTIPLE SITES - CONTINUED

COUNTY/SITE	LAT.	LONG.	#OF CHAN.	RADIUS	ENVIRONMENT
Fayette	29 59 47	96 45 37	4	11	2
	29 54 13	96 56 25	4	11	2
	29 47 16	97 6 17	4	11	2
	29 47 16	96 55 27	4	11	2
Freestone	31 52 0	96 6 13	4	11	2
	31 39 29	95 57 30	4	11	2
	31 33 55	96 10 35	4	11	2
	31 45 3	96 17 51	4	11	2
	31 42 16	96 7 40	4	11	2
Grimes	30 43 43	96 0 25	4	11	2
	30 33 7	95 59 2	4	11	2
	30 22 7	95 57 58	4	11	2
Hamilton	31 52 58	98 2 28	4	8	2
	31 43 1	97 55 33	4	8	2
	31 38 3	98 5 56	4	8	2
	31 33 5	98 14 35	4	8	2
	31 39 43	98 18 3	4	8	2
	31 44 41	98 7 40	4	8	2
Hays	30 12 52	98 7 46	5	7	2
	30 4 31	98 10 33	5	7	2
	30 7 18	98 0 22	5	7	2
	30 1 19	97 50 21	5	7	2
	29 52 25	97 58 46	5	7	2
	29 59 39	98 3 46	5	7	2
Hill	31 50 45	96 53 4	4	8	2
	31 57 9	96 57 19	4	8	2
	31 52 50	97 14 40	4	8	2
	31 57 1	97 7 24	4	8	2
	32 8 50	97 8 13	4	8	2
	32 1 53	97 3 51	4	8	2
	32 6 3	97 22 45	4	8	2
	31 59 6	97 18 24	4	8	2
Lampasas	31 20 36	98 11 56	4	7	2
	31 6 26	98 1 38	4	7	2
	31 13 3	98 7 47	4	7	2
	31 15 42	98 20 15	4	7	2
	31 10 24	98 27 10	4	7	2
	31 7 45	98 23 1	4	7	2
	31 7 6	98 13 28	4	7	2
Lee	30 26 21	96 59 58	4	8	2
	30 17 5	96 47 30	4	8	2
	30 21 4	96 55 49	4	8	2
	30 10 28	96 57 12	4	8	2

MULTIPLE SITES - CONTINUED

COUNTY/SITE	LAT.	LONG.	#OF	CHAN.	RADIUS	ENVIRONMENT
	30 22 23	97 9 39	4		8	2
	30 19 44	96 59 58	4		8	2
Leon	31 31 37	95 48 26	4		9	2
	31 19 42	95 48 26	4		9	2
	31 12 41	95 52 49	4		9	2
	31 6 53	96 10 39	4		9	2
	31 12 41	96 2 10	4		9	2
	31 18 3	96 11 9	4		9	2
	31 24 1	96 0 15	4		9	2
Limestone	31 39 29	96 36 45	4		9	2
	31 38 56	96 43 22	4		9	2
	31 27 15	96 27 42	4		9	2
	31 24 28	96 33 31	4		9	2
	31 32 32	96 31 35	4		9	2
Llano	30 47 44	96 32 29	4		10	2
	30 36 15	98 29 38	4		10	2
	30 36 48	98 49 35	4		10	2
	30 48 30	98 49 27	4		10	2
	30 38 23	98 40 28	4		10	2
Madison	30 58 50	95 44 16	4		8	2
	30 58 50	95 51 43	4		8	2
	30 58 5	95 58 17	4		8	2
	30 55 51	96 5 44	4		8	2
McLennan	31 42 22	97 4 58	11		10	1
	31 33 25	97 0 18	11		10	1
	31 24 48	97 18 23	11		10	1
	31 29 47	97 9 44	11		10	1
	31 36 24	97 16 39	11		10	1
	31 32 25	97 24 55	11		10	1
Milam	30 58 5	96 52 19	4		8	2
	30 46 10	96 45 25	4		8	2
	30 35 44	97 5 40	4		8	2
	30 41 41	96 56 19	4		8	2
	30 44 40	97 8 46	4		8	2
	30 48 15	97 10 20	4		8	2
	30 52 43	97 1 30	4		8	2
	30 51 14	96 49 2	4		8	2
Mills	31 26 12	98 26 7	4		8	2
	31 21 32	98 32 38	4		8	2
	31 29 19	98 50 31	4		8	2
	31 27 45	98 40 46	4		8	2
	31 35 32	98 39 8	4		8	2
	31 36 38	98 31 51	4		8	2

MULTIPLE SITES - CONTINUED

COUNTY/SITE	LAT.	LONG.	#OF CHAN.	RADIUS	ENVIRONMENT
Robertson	31 12 50	96 24 40	4	8	2
	31 1 40	96 22 14	4	8	2
	30 54 13	96 30 31	4	8	2
	30 49 44	96 32 5	4	8	2
	30 58 41	96 38 19	4	8	2
	31 4 39	96 40 22	4	8	2
	31 7 10	96 31 57	4	8	2
San Saba	31 2 23	98 36 44	4	10	2
	31 2 23	98 56 15	4	10	2
	31 3 19	98 46 33	4	10	2
	31 15 37	98 44 23	4	10	2
	31 20 36	98 58 15	4	10	2
	31 11 15	98 55 55	4	10	2
Travis	30 22 27	97 33 28	31	9	1
	30 10 46	97 42 51	31	9	1
	30 16 20	97 37 2	31	9	1
	30 17 44	97 52 5	31	9	1
	30 22 44	98 0 49	31	9	1
	30 29 41	97 59 22	31	9	1
	30 20 56	97 46 17	31	9	1
Washington	30 16 17	96 13 49	4	8	2
	30 9 40	96 15 12	4	8	2
	30 14 58	96 23 30	4	8	2
	30 9 48	96 38 44	4	8	2
	30 12 27	96 33 12	4	8	2
	30 10 28	96 28 8	4	8	2
Williamson	30 31 52	97 18 59	9	9	1
	30 38 29	97 23 8	9	9	1
	30 46 26	97 46 40	9	9	1
	30 43 55	97 35 7	9	9	1
	30 35 58	97 30 58	9	9	1
	30 34 39	97 44 49	9	9	1
	30 40 20	97 52 57	9	9	1

CHANNEL ASSIGNMENTS

CHANNEL NUMBER	COUNTIES/USE
601	821.0125/866.0125 Mutual Aid
602	821.0375/866.0375 Reserved for State
603	821.0500/866.0500 Reserved for Guard
604	821.0625/866.0625 Reserved for State
605	821.0750/866.0750 Reserved for Guard
606	821.0875/866.0875 Falls, Lampasas, Blanco

CHANNEL ASSIGNMENTS - CONTINUED

CHANNEL NUMBER	COUNTIES/USE
607	821.1000/866.1000 Caldwell
608	821.1125/866.1125 Robertson
609	821.1250/866.1250 Coryell, Fayette
610	821.1375/866.1375 Unassigned
611	821.1500/866.1500 Madison, Bastrop
612	821.1625/866.1625 Bell
613	821.1750/866.1750 Freestone, Burleson, Hays
614	821.1875/866.1875 Bell
615	821.2000/866.2000 Limestone, Lee
616	821.2125/866.2125 Mills
617	821.2250/866.2250 Llano, Leon
618	821.2375/866.2375 Williamson
619	821.2500/866.2500 Bosque, San Saba
620	821.2625/866.2625 Williamson
621	821.2750/866.2750 Brazos, Hamilton
622	821.2875/866.2875 Travis
623	821.3000/866.3000 Brazos, McLennan
624	821.3125/866.3125 Travis
625	821.3250/866.3250 Unassigned
626	821.3375/866.3375 Falls, Lampasas, Blanco
627	821.3500/866.3500 Caldwell
628	821.3625/866.3625 Robertson
629	821.3750/866.3750 Coryell, Fayette
630	821.3875/866.3875 Unassigned
631	821.4000/866.4000 Madison, Bastrop
632	821.4125/866.4125 Bell
633	821.4250/866.4250 Freestone, Hays
634	821.4375/866.4375 Washington, Bell
635	821.4500/866.4500 Reserved for Guard
636	821.4625/866.4625 Reserved for State
637	821.4750/866.4750 Reserved for Guard
638	821.4875/866.4875 Reserved for State
639	821.5125/866.5125 Mutual Aid
640	821.5375/866.5375 Reserved for State
641	821.5500/866.5500 Reserved for Guard
642	821.5625/866.5625 Reserved for State
643	821.5750/866.5750 Reserved for Guard
644	821.5875/866.5875 Llano
645	821.6000/866.6000 Bosque, Williamson
646	821.6125/866.6125 Mills
647	821.6250/866.6250 Brazos, Williamson
648	821.6375/866.6375 San Saba
649	821.6500/866.6500 Limestone, Lee
650	821.6625/866.6625 Burnet

CHANNEL ASSIGNMENTS - CONTINUED

CHANNEL NUMBER	COUNTIES/USE
651	821.6750/866.6750 Burleson
652	821.6875/866.6875 Unassigned
653	821.7000/866.7000 McLennan, Hays
654	821.7125/866.7125 Leon
655	821.7250/866.7250 Bell
656	821.7375/866.7375 Travis
657	821.7500/866.7500 Hamilton, Milam
658	821.7625/866.7625 Travis
659	821.7750/866.7750 McLennan
660	821.7875/866.7875 Travis
661	821.8000/866.8000 McLennan
662	821.8125/866.8125 Travis
663	821.8250/866.8250 Unassigned
664	821.8375/866.8375 Travis
665	821.8500/866.8500 Unassigned
666	821.8625/866.8625 Travis
667	821.8750/866.8750 Brazos
668	821.8875/866.8875 Travis
669	821.9000/866.9000 Unassigned
670	821.9125/866.9125 Burnet
671	821.9250/866.9250 Unassigned
672	821.9375/866.9375 Unassigned
673	821.9500/866.9500 Reserved for Guard
674	821.9625/866.9625 Reserved for State
675	821.9750/866.9750 Reserved for Guard
676	821.9875/866.9875 Reserved for State
677	822.0125/867.0125 Mutual Aid
678	822.0375/867.0375 Reserved for State
679	822.0500/867.0500 Reserved For Guard
680	822.0625/867.0625 Reserved for State
681	822.0750/867.0750 Reserved for Guard
682	822.0875/867.0875 Travis
683	822.1000/867.1000 McLennan
684	822.1125/867.1125 Travis
685	822.1250/867.1250 Hill
686	822.1375/867.1375 Travis
687	822.1500/867.1500 McLennan
688	822.1625/867.1625 Travis
689	822.1750/867.1750 Milam
690	822.1875/867.1875 Travis
691	822.2000/867.2000 Unassigned
692	822.2125/867.2125 Unassigned
693	822.2250/867.2250 Unassigned
694	822.2375/867.2375 Unassigned

CHANNEL ASSIGNMENTS - CONTINUED

CHANNEL NUMBER	COUNTIES/USE
695	822.2500/867.2500 Unassigned
696	822.2625/867.2625 Unassigned
697	822.2750/867.2750 Unassigned
698	822.2875/867.2875 Unassigned
699	822.3000/867.3000 Unassigned
700	822.3125/867.3125 Unassigned
701	822.3250/867.3250 Unassigned
702	822.3375/867.3375 Grimes
703	822.3500/867.3500 Unassigned
704	822.3625/867.3625 Unassigned
705	822.3750/867.3750 Travis
706	822.3875/867.3875 Unassigned
707	822.4000/867.4000 Unassigned
708	822.4125/867.4125 Travis
709	822.4250/867.4250 Unassigned
710	822.4375/867.4375 Unassigned
711	822.4500/867.4500 Reserved for Guard
712	822.4625/867.4625 Reserved for State
713	822.4750/867.4750 Reserved for Guard
714	822.4875/867.4875 Reserved for State
715	822.5125/867.5125 Mutual Aid
716	822.5375/867.5375 Reserved For State
717	822.5500/867.5500 Reserved For Guard
718	822.5625/867.5625 Reserved for State
719	822.5750/867.5750 Reserved for Guard
720	822.5875/867.5875 Unassigned
721	822.6000/867.6000 Hill
722	822.6125/867.6125 Unassigned
723	822.6250/867.6250 Unassigned
724	822.6375/867.6375 Unassigned
725	822.6500/867.6500 Unassigned
726	822.6625/867.6625 Unassigned
727	822.6750/867.6750 Unassigned
728	822.6875/867.6875 Unassigned
729	822.7000/867.7000 Unassigned
730	822.7125/867.7125 Grimes
731	822.7250/867.7250 Unassigned
732	822.7375/867.7375 Unassigned
733	822.7500/867.7500 Unassigned
734	822.7625/867.7625 Unassigned
735	822.7750/867.7750 Unassigned
736	822.7875/867.7875 Unassigned
737	822.8000/867.8000 Unassigned
738	822.8125/822.8125 Unassigned
739	822.8250/867.8250 Travis
740	822.8375/867.8375 Washington
741	822.8500/867.8500 Unassigned

CHANNEL ASSIGNMENTS - CONTINUED

CHANNEL NUMBER	COUNTIES/USE
742	822.8625/867.8625 Unassigned
743	822.8750/867.8750 Travis
744	822.8875/867.8875 Unassigned
745	822.9000/867.9000 Unassigned
746	822.9125/867.9125 Unassigned
747	822.9250/867.9250 Unassigned
748	822.9375/867.9375 Burnet
749	822.9500/867.9500 Reserved for Guard
750	822.9625/867.9625 Reserved for State
751	822.9750/867.9750 Reserved for Guard
752	822.9875/867.9875 Reserved for State
753	823.0125/868.0125 Mutual Aid
754	823.0375/868.0375 Reserved for State
755	823.0500/868.0500 Reserved for Guard
756	823.0625/868.0625 Reserved for State
757	823.0750/868.0750 Reserved for Guard
758	823.0875/868.0875 Unassigned
759	823.1000/868.1000 Travis
760	823.1125/868.1125 Milam
761	823.1250/868.1250 Travis
762	823.1375/868.1375 Unassigned
763	823.1500/868.1500 Travis
764	823.1625/868.1625 Unassigned
765	823.1750/868.1750 Unassigned
766	823.1875/868.1875 Unassigned
767	823.2000/868.2000 Unassigned
768	823.2125/868.2125 Washington
769	823.2250/868.2250 Unassigned
770	823.2375/868.2375 Unassigned
771	823.2500/868.2500 Hill, Travis
772	823.2625/868.2625 Unassigned
773	823.2750/868.2750 McLennan
774	823.2875/868.2875 Burnet
775	823.3000/868.3000 Unassigned
776	823.3125/868.3125 Williamson
777	823.3250/868.3250 Unassigned
778	823.3375/868.3375 Grimes
779	823.3500/868.3500 Travis
780	823.3625/868.3625 Milam
781	823.3750/868.3750 Travis
782	823.3875/868.3875 Bell
783	823.4000/868.4000 Travis
784	823.4125/868.4125 Coryell
785	823.4250/868.4250 Travis
786	823.4375/868.4375 Unassigned

CHANNEL ASSIGNMENTS - CONTINUED

CHANNEL NUMBER	COUNTIES/USE
787	823.4500/868.4500 Williamson
788	823.4625/868.4625 Robertson
789	823.4750/868.4750 Lee
790	823.4875/868.4875 Bell
791	823.5000/868.5000 Brazos, Travis
792	823.5125/868.5125 Unassigned
793	823.5250/868.5250 Brazos, McLennan, Travis
794	823.5375/868.5375 Lampasas
795	823.5500/868.5500 Hill, Leon
796	823.5625/868.5625 Mills, Williamson
797	823.5750/868.5750 Blanco, McLennan
798	823.5875/868.5875 Bastrop
799	823.6000/868.6000 Freestone, Burleson, Hamilton
800	823.6125/868.6125 Falls, Hays
801	823.6250/868.6250 Madison, Fayette, Bosque, San Saba
802	823.6375/868.6375 Bell
803	823.6500/868.6500 Caldwell, Limestone, Llano
804	823.6625/868.6625 Coryell
805	823.6750/868.6750 Grimes, Travis
806	823.6875/868.6875 Unassigned
807	823.7000/868.7000 Williamson
808	823.7125/868.7125 Robertson
809	823.7250/868.7250 Lee
810	823.7375/868.7375 Bell
811	823.7500/868.7500 Brazos, Travis
812	823.7625/868.7625 Bell
813	823.7750/868.7750 Brazos
814	823.7875/868.7875 McLennan, Travis
815	823.8000/868.8000 Lampasas, Leon, Washington
816	823.8125/868.8125 Williamson
817	823.8250/868.8250 McLennan, Mills, Blanco
818	823.8375/868.8375 Bastrop
819	823.8500/868.8500 Freestone, Burleson, Hamilton
820	823.8625/868.8625 Falls, Hays
821	823.8750/868.8750 Madison, Fayette, Bosque, San Saba
822	823.8875/868.8875 Bell
823	823.9000/868.9000 Caldwell, Limestone, Llano
824	823.9125/868.9125 Coryell
825	823.9250/868.9250 Reserved for Guard
826	823.9375/868.9375 Reserved for State
827	823.9500/868.9500 Reserved for Guard
828	823.9625/868.9625 Reserved for State
829	823.9750/868.9750 Reserved for Guard
830	823.9875/868.9875 Unassigned

CHANNEL ASSIGNMENTS BY COUNTY

COUNTY	CHANNELS
Bastrop	611 631 798 818
Bell	612 614 632 634 655 782 790 802 810
	812 822
Blanco	606 626 797 817
Bosque	619 645 801 821
Brazos	621 623 647 667 791 793 811 813
Burleson	613 651 799 819
Burnet	650 670 748 774
Caldwell	607 627 803 823
Coryell	609 629 784 804 824
Falls	606 626 800 820
Fayette	609 629 801 821
Freestone	613 633 799 819
Grimes	702 730 778 805
Hamilton	621 657 799 819
Hays	613 633 653 800 820
Hill	685 721 771 795
Lampasas	606 626 794 815
Lee	615 649 789 809
Leon	617 654 795 815
Limestone	615 649 803 823
Llano	617 644 803 823
Madison	611 631 801 821
McLennan	623 653 659 661 683 687 773 793 797
	814 817
Milam	657 689 760 780
Mills	616 646 796 817
Robertson	608 628 788 808
San Saba	619 648 801 821
Travis	622 624 656 658 660 662 664 668 682
	684 686 688 690 705 708 739 743 759
	761 763 771 779 781 783 785 791 793
	805 811 814
Washington	634 740 768 815
Williamson	618 620 645 647 776 787 796 807 816

FREQUENCIES SET ASIDE FOR THE STATE OF TEXAS

602	866.0375
604	866.0625
636	866.4625
638	866.4875
640	866.5375
642	866.5625
674	866.9625
676	866.9875
678	867.0375
680	867.0675
712	867.4625
714	867.4875
716	867.5375
718	867.5625
750	867.9625
752	867.9875
754	868.0375
756	868.0625
826	868.9375
828	868.9625

CHANNELS TO BE BLOCKED TO PROTECT STATEWIDE FREQUENCIES

603
605
635
637
641
643
673
675
679
681
711
713
717
719
749
751
755
757
825
827
829

EXCLUDED CHANNELS BY COUNTY

COUNTY	EXCLUDED CHANNELS												
Bastrop	606	616	626	644	654	664	672	682	685	692	695	705	710
	720	748	758	817	824								
Bell	607	704											
Blanco	607	610	615	701	702	704							
Bosque	606	607	608	609	610	611	612	613	614	615	616	617	618
	620	622	624	626	628	630	631	632	633	634	644	646	647
	648	649	650	651	652	653	654	655	656	658	660	662	664
	665	666	667	668	669	670	671	672	682	684	686	688	690
	691	692	694	695	696	697	698	699	700	701	702	703	704
	705	706	708	709	710	720	722	724	726	728	729	730	732
	733	734	736	737	738	740	741	742	743	744	746	747	748
	758	760	762	764	766	768	769	770	772	774	776	778	780
	782	785	787	788	790	791	792	794	796	798	800	802	804
	806	808	810	812	815	818	820	822	830				
Brazos	606	607	608	609	610	612	614	615	616	617	618	619	620
	622	624	625	626	627	628	630	632	644	645	646	648	650
	651	652	653	654	655	656	658	660	661	662	663	664	665
	666	668	670	671	672	682	683	684	685	686	688	689	690
	691	692	693	694	695	696	698	699	700	701	704	705	706
	708	709	710	720	721	722	724	725	726	727	728	729	732
	734	735	736	737	738	739	742	744	745	746	747	748	758
	759	760	762	764	765	766	767	770	772	774	775	776	777
	780	782	784	785	786	787	788	790	792	794	795	796	797
	798	800	802	804	808	810	812	814	816	817	818	819	820
	822	823	824										
Burleson	606	607	608	609	610	612	614	615	616	617	618	619	620
	622	624	625	626	627	628	630	632	644	645	646	648	650
	652	653	654	655	656	658	660	662	663	664	665	666	668
	670	671	672	682	683	684	685	686	688	690	691	692	693
	694	695	696	698	700	704	705	706	708	709	710	720	721
	722	724	726	728	732	734	736	738	742	744	746	747	748
	758	759	760	762	764	766	770	772	774	776	780	782	784
	786	790	792	794	796	800	802	804	810	812	814	816	817
	818	820	822	823	824								
Burnet	607	610	612	696	701	704							
Caldwell	606	644	654	664	672	682	685	692	695	705	710	720	748
	758	824											
Coryell	606	607	608	611	612	613	617	633	649	651	655	671	696
	703	704	705	709									
Falls	607	631	645	669	747	785	815						

EXCLUDED CHANNELS BY COUNTY - CONTINUED

Fayette	606	607	608	610	612	614	616	618	620	622	624	626	628
	630	632	644	645	646	648	650	652	653	654	655	656	658
	660	662	663	664	665	666	668	670	671	672	682	683	684
	685	686	688	690	691	692	693	694	695	696	698	700	704
	705	706	708	709	710	720	721	722	724	726	728	732	734
	736	738	742	744	746	747	748	758	759	760	762	764	766
	770	772	774	776	780	782	784	786	787	790	792	794	796
	797	800	802	804	807	810	812	814	817	820	822	823	824

Freestone	606	607	608	609	610	612	614	616	618	619	620	622	623
	630	631	632	634	644	645	646	647	648	650	652	654	656
	658	660	661	665	667	668	669	670	671	672	682	683	684
	685	686	688	690	691	692	693	694	695	696	697	698	699
	700	701	703	704	705	708	709	710	720	721	722	724	725
	726	728	729	730	732	733	734	735	736	737	738	741	743
	745	746	747	748	758	759	760	761	762	764	766	768	769
	770	772	785	786	787	788	790	791	792	794	796	797	798
	800	802	807	812	815	816	818	820	822	823	824		

Grimes	606	607	608	609	610	611	612	613	614	615	616	617	618
	619	620	621	622	623	624	625	626	627	628	629	630	631
	632	633	644	645	646	647	648	649	650	651	652	653	654
	655	656	657	658	659	660	661	662	663	664	665	666	667
	668	669	670	671	672	682	683	684	685	686	687	688	689
	690	691	692	693	694	695	696	697	698	699	700	701	703
	704	705	706	707	708	709	710	720	721	722	723	724	725
	726	727	728	729	731	732	733	734	735	736	737	738	739
	741	742	743	744	745	746	747	748	758	759	760	761	762
	763	764	765	766	767	769	770	771	772	773	774	775	776
	777	779	780	781	782	783	784	785	786	787	788	789	790
	791	792	793	794	795	796	797	798	799	800	801	802	803
	804	806	807	808	809	810	811	812	813	814	816	817	818
	819	820	821	822	823	824							

Hamilton	606	607	608	609	610	611	612	613	614	615	616	617	618
	633	647	648	649	650	651	652	653	654	655	656	671	694
	695	696	697	701	702	703	704	705	709				

Hays	607	704											
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Hill	606	607	608	609	610	611	612	613	614	615	616	617	618
	619	620	621	622	623	624	625	626	627	628	629	630	631
	632	633	634	644	645	646	647	648	649	650	651	652	653
	654	655	656	657	658	659	660	661	662	663	664	665	666
	667	668	669	670	671	672	682	683	684	686	687	688	689
	690	691	692	693	694	695	696	697	698	699	700	701	702
	703	704	705	706	707	708	709	710	720	722	723	724	725
	726	727	728	729	730	731	732	733	734	735	736	737	738
	739	740	741	742	743	744	745	746	747	748	758	760	762
	764	766	768	769	770	772	773	774	775	776	777	778	779
	780	781	782	783	784	785	786	787	788	790	791	792	794
	796	798	800	802	803	804	805	806	807	808	809	810	811
	812	813	814	815	816	818	820	822	830				

EXCLUDED CHANNELS BY COUNTY - CONTINUED

Lampasas	607	610	612	613	614	617	651	655	694	696	701	704	
Lee	606	607	608	610	612	616	618	620	622	626	628	630	632
	644	645	646	648	650	652	653	654	655	656	658	660	662
	663	664	665	666	668	670	671	672	682	683	684	685	686
	688	690	691	692	693	694	695	696	698	700	704	705	706
	708	709	710	720	721	722	724	726	728	732	734	736	738
	742	744	746	747	748	758	759	760	762	766	770	772	776
	780	782	786	787	790	792	796	797	800	802	807	810	812
	817	820	822	823	824								
Leon	606	607	608	609	610	618	619	620	621	622	623	631	634
	644	645	646	648	652	659	660	661	662	669	671	672	682
	683	684	685	690	693	694	695	699	700	703	704	705	709
	710	720	721	723	725	726	728	733	735	737	738	741	745
	747	748	758	759	761	766	776	786	787	788	796	797	798
	807	808	816	817	818	819	823	824					
Limestone	606	607	608	609	610	612	614	616	618	619	620	623	630
	631	632	633	634	644	645	646	647	648	650	652	654	656
	658	661	665	667	668	669	670	671	672	682	684	686	688
	690	691	692	694	695	696	697	699	701	704	708	709	710
	720	722	724	726	728	729	730	732	733	734	737	741	743
	746	747	748	758	760	762	764	766	768	769	770	772	785
	787	788	790	791	792	794	796	798	800	802	812	815	818
	820	822	824										
Llano	606	607	608	609	610	611	612	613	614	615	616	694	696
	699	700	701	702	703	704	705						
Madison	606	607	608	609	610	612	616	618	619	620	622	625	626
	628	630	632	644	645	646	648	650	651	652	653	656	658
	660	661	662	663	666	668	670	671	672	682	683	684	685
	686	688	689	690	691	693	694	695	696	698	699	700	701
	703	704	705	706	708	709	710	720	721	722	723	724	725
	726	727	728	729	732	733	734	735	736	737	738	739	742
	744	745	746	747	748	758	759	760	762	765	766	767	770
	772	775	776	777	780	782	785	786	787	788	789	790	792
	795	796	797	798	799	800	802	806	807	808	809	810	812
	816	817	818	819	820	822	823	824					
McLennan	606	607	608	609	610	611	612	613	614	616	617	618	620
	622	624	626	628	630	631	632	633	634	644	646	647	648
	649	650	651	652	654	655	656	658	660	662	664	665	666
	667	668	669	670	671	672	682	684	686	688	690	691	692
	694	695	696	697	698	699	700	701	702	704	706	708	709
	720	722	724	726	728	729	730	732	733	734	736	737	738
	740	741	742	743	744	746	747	748	758	760	762	764	766
	768	769	770	772	774	776	778	780	782	785	787	788	790
	791	792	794	796	798	800	802	804	806	808	810	812	815
	818	820	822	830									

EXCLUDED CHANNELS BY COUNTY - CONTINUED

Milam	606	609	616	619	626	644	652	654	662	664	672	682	685
	690	692	695	700	705	710	720	728	738	748	758	766	776
	786	796	817	818	824								
Mills	606	607	608	609	610	611	612	613	614	615	617	618	649
	651	655	693	694	695	696	697	699	700	701	702	703	704
	705												
Robertson	606	607	609	616	619	626	631	644	645	652	654	662	664
	669	672	682	684	690	692	694	699	700	704	710	720	725
	728	735	737	738	745	748	758	766	776	786	796	817	818
	824												
San Saba	606	607	608	609	610	611	612	613	614	615	617	618	655
	693	694	695	696	697	699	700	701	702	703	704	705	
Travis	607	704											
Washington	606	607	608	609	610	611	612	613	614	615	616	617	618
	619	620	621	622	623	624	625	626	627	628	629	630	631
	632	633	644	645	646	647	648	649	650	651	652	653	654
	655	656	657	658	659	660	661	662	663	664	665	666	667
	668	669	670	671	672	682	683	684	685	686	687	688	689
	690	691	692	693	694	695	696	697	698	699	700	701	703
	704	705	706	707	708	709	710	720	721	722	723	724	725
	726	727	728	729	731	732	733	734	735	736	737	738	739
	741	742	743	744	745	746	747	748	758	759	760	761	762
	763	764	765	766	767	769	770	771	772	773	774	775	776
	777	779	780	781	782	783	784	785	786	787	788	789	790
	791	792	793	794	795	796	797	798	799	800	801	802	803
	804	807	808	809	810	811	812	813	814	816	817	818	819
	820	821	822	823	824								
Williamson	606	644	654	664	672	682	685	692	695	705	710	720	748
	758	824											

ASSIGNMENT STATISTICS

Maximum field strength for co-channel operation from second station shall not exceed	5 Dbu
Maximum field strength from adjacent channel operation shall not exceed	25 Dbu
Iterations required for solution was	4
Number of channels used for solution was	224
Total number of channels assigned	172
Total number of unassigned channels	64
Total number of reserved channels	41
Total number of co-channels assigned	52
Probability of interference with the nearest:	
* Co-channel user is between 0 % and 1 %.	
* Adjacent channel user is between 0 % and 1 %.	
* Estimated assuming a 40 Dbu signal at the boundary.	

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 said 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, taking into consideration the channels which were returned to the reserve pool.

PRIORITIZATION OF APPLICANTS

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

Prioritization shall be done according to a final score, base 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

STATE AND STATEWIDE SYSTEMS

In the event that the State of Texas shall require operation in this 800 MHz spectrum, their requests for frequency shall be made according to the frequencies reserved for state systems. The

frequencies used in any one area of the Region shall come from the pool of frequencies already allocated to that area or county. In the event that additional spectrum is needed in any particular area, application shall be made, and allocation shall be determined according to the process as set forth in the previous section on expansion of allocation.

Should a "state-wide" system be installed, all jurisdictions or agencies within the Region will be encouraged to use the trunked system within the range of their particular area of responsibility. By following this procedure, the spectrum will be better utilized and conserved. As with local jurisdictions, where a local trunked system in this spectrum exists, every effort should be made by the State, where possible, to utilize the local, existing systems.

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 49 Review Committee and the FCC in that order. An applicant who decides to appeal a rejection should initiate that appeal in writing within ten (10) working days upon notification of rejection. In the event that an appeal reaches the second level, the FCC, their decision will be final and binding upon all parties.

THE REGION 49 PLANNING COMMITTEE

CONVENOR/CHAIRMAN: Jeff Haislet
Executive Director
Brazos County Emergency Communications District
P.O. Box 2291
Bryan, Texas 77806
409-779-0911

PLANNING COMMITTEE:

Joe Blair
Dallas Ft.Worth Airport
214-574-6642

Roman F. Buzek
Texas Department of Highways and Public Transportation
P.O. Box 757
Yoakum, Texas 77995
512-293-3512

Larry Crenshaw
City of Austin Police Department
715 E. 8th. Street
Austin, Texas 78701
512-480-5190

James D. Davis
Texas Department of Health
1100 West 49th. Street
Austin, Texas 78756
512-834-8673

Manny Fernandez
Capital Area Planning Council
2520 IH 35 S. Suite 100
Austin, Texas 78704
512-443-7653

Roy Galny
Brazos County Emergency Communications District
P.O. Box 2291
Bryan, Texas 77806
409-779-0911

Wil Geltmeier
Texas Department of Highways and Public Transportation
P.O. Box 1010
Waco, Texas 76703
817-799-6261

Richard Herndon
Texas Department of Highways and Public Transportation
11th. & Brazos
Austin, Texas 78701
512-465-6338

Danette Howell
San Marcus Police Department
401 E. Hopkins
San Marcus, Texas 78666
512-392-8115

Jim Jenkins
Texas Department of Highways and Public Transportation
7901 N. IH 35
Austin, Texas 78753
512-836-4573

William M. Leach
Texas Department of Highways and Public Transportation
7901 N. IH 35
Austin, Texas 78753
817-799-6261

Edward Marchant
Texas Department of Public Safety
P.O. Box 4087
Austin, Texas 78703
512-465-2049

Ron Mayworm
Brazos County Volunteer Fire Department
P.O. Box 2291
Bryan, Texas 77806
409-846-8045

Randy Moore
City of Austin
P.O. Box 1088
Austin, Texas 78767
512-469-2050

G.A. Morgan
Texas Department of Highways and Public Transportation
P.O. Box 1549
Brownwood, Texas 76804-1549
915-646-2591

Steve Reed
Motorola
3320 Belt Line Dr.
Dallas, Texas 75234
214-888-6952

Glen Reid
Motorola
P.O. Box 163477
Austin, Texas 78716
512-482-9133

Scott Reynolds
City of Austin Fire Department
715 E. 8th. Street 4th. Floor Communications
Austin, Texas 78767
512-477-9982

Art Sanders
Ericsson G.E.
1946 I.H. 35 South Suite 300
Austin, Texas 78704
512-443-5383

Richard Sladeczek
Texas Department of Highways and Public Transportation
11th & Brazos
Austin, Texas 78701
512-465-7400

Don Smith
City of Austin Fire Department
715 E. 8th. Street 4th. Floor Communications
Austin, Texas 78701
512-477-9982

Gene Stabeno
Texas Department of Highways and Public Transportation
11th & Brazos
Austin, Texas 78701
512-832-4563

Bruce Watson
City of Round Rock Fire Department
203 Commerce Blvd.
Round Rock, Texas 78664
512-255-5905

James H. Williams
Texas Department of Highways and Public Transportation
1300 N. Texas Ave.
Bryan, Texas 77803
409-778-2165

Herman Wolff
Texas Department of Public Safety
P.O. Box 4087
Austin, Texas 78773
512-465-2043

Kenneth C. Yoder
Texas Department of Public Safety
P.O. Box 4087
Austin, Texas 78773
512-465-2104

REGION 49 SUB-COMMITTEE

Larry Crenshaw
City of Austin Police Department
715 E. 8th. Street
Austin, Texas 78701
512-480-5190

Manny Fernandez
Capital Area Planning Council
2520 IH 35 S. Suite 100
Austin, Texas 78704
512-443-7653

Jeff Haislet
Brazos County Emergency Communications District
P.O. Box 2291
Bryan, Texas 77806
409-779-0911

G.A. Morgan
Texas Department of Highways and Public Transportation
P.O. Box 1549
Brownwood, Texas 76804-1549
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P.O. Box 163477
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P.O. Box 4087
Austin, Texas 78773
512-465-2104

APPENDIX A
PUBLIC NOTICES

LISTING OF NEWSPAPERS PUBLIC NOTICE WAS PUBLISHED IN

Austin American Statesman	Austin, Tx. Region
Eagle	Bryan/College Station, Tx. Area
Killeen Daily Herald	Killeen, Tx. Area
San Marcus Daily	San Marcus, Tx. Area
Temple Daily Telegram	Temple, Tx. Area
Waco Tribune-Herald	Waco, Tx. Area

PUBLIC NOTICE

TO ALL REGION 49 PUBLIC SAFETY
AND SPECIAL EMERGENCY RADIO USER AGENCIES

Having been duly certified to the Federal Communications Commission (FCC) by the Associated Public-Safety Communications Officers, Inc. (APCO) as the Convenor of an initial meeting of representatives of parties eligible for radio licensing in the FCC's Public Safety and Special Emergency Radio Services to establish a Regional Planning Committee in the State of Texas in Region 49, as described hereinafter, I hereby give Public Notice that such an initial meeting will be held on Tuesday, November 14, 1989, in Classroom B, Department of Public Safety Training Academy, 5805 N. Lamar Blvd., Austin, Texas, beginning at 9:00 a.m. Region 49 is one of 55 established by the FCC, throughout the United States and includes the following Texas counties:

Bastrop, Bell, Blanco, Bosque, Brazos, Burleson, Burnett, Caldwell, Coryell, Falls, Fayette, Freestone, Grimes, Hamilton, Hays, Hill, Lampasas, Lee, Leon, Limestone, Llano, Madison, McLennan, Milam, Mills, Robertson, San Saba, Travis, Washington, Williamson.

The responsibility of the Regional Planning Committee will be to develop a Plan for use of frequencies in the 821-824 and 866-869 megahertz bands allocated by the FCC for use by such licensees. Parties interested in participating in the regional planning process should contact me.

This Public Notice is in accordance with the FCC's Report and Order in Gen. Docket No. 87-112, adopted by the FCC on November 24, 1987, and released on December 18, 1987, and with the FCC's Memorandum Opinion and Order adopted by the FCC on September 9, 1987.

Copies of both the Report and Order and the Final Report are available from the FCC's duplication contractor, International Transcription Services, Inc., Suite 140, 2100 M Street, N.W., Washington, D.C. 20037. Phone (202) 857-3800.

Jeff Haislet, Convenor
Regional, National Plan
Brazos County Emergency
Communications District
P. O. Box 2291
Bryan, Texas 77806
(409) 779-0911


Convenor


Date

REGION 49 PLANNING MEETING
NOVEMBER 14, 1989

Call to Order

Appointment of Temporary Recording Secretary

Introduction of Guests

Background Information on Planning Process

Purpose of Meeting

National Plan Developed in Response to Congressional Directive

NPSAPAC (National Public Safety Planning Advisory Committee)

- 1) Identify communications requirements of public safety services.
- 2) Develop a scheme for efficient use of the new frequencies.
- 3) Develop a scheme to increase utility of existing public safety frequencies.
- 4) Recommend the manner in which new technologies can be applied to public safety frequencies.
- 5) Recommend guidelines to insure compliance with the National Plan.

Explain this is an open meeting, whose intent is to represent eligible users within the 30 counties of Region 49.

Election of Chairman will be conducted according to Robert's Rules of Order for an initial organizational meeting.

Motion for nominations for the Chairman of Region 49 Planning Committee.

Break for Coffee - Organize Chairman

Call to Order by Chairman.

Have attendees introduce themselves.

Encourage attendees to sign the attendance sheet.

Approval of Temporary Operating Rules for Region 49.

Appointment of permanent Recording Secretary.

Election of Vice-Chairman - Nominations

A Permanent Rules Committee will be appointed following the meeting.

Establishment of 7 subcommittees. Sign-up sheets are available for those interested.

Review 7 subcommittees.

Subcommittee Facilitators appointed for each subcommittee.

Call for motion to allow for the selection of a facilitator from the sign-up sheets for each subcommittee prior to the next meeting.

Emphasize COG involvement on the subcommittees.

Set next Regional Planning Committee meeting.

Thank persons for setting up the meeting.

Accept motion to adjourn.

BACKGROUND PRESENTATION
JEFF HAISLET
Convenor for Region 49
Public Safety Regional Planning Committee

The Report and Order adopted on November 24, 1987 by the Federal Communications Commission ordered the implementation of a Public Safety National Plan. It also amended Part 90 of the FCC Rules and Regulations to establish service rules and technical standards for use in the 821-824/866-869 MHz band by the Public Safety Radio Services.

How did all of this come about?

In December of 1983, the United States Congress directed the FCC to establish a plan to ensure that the communications needs of State and Local Public Safety Authorities would be met. Congress specified that the Commission should:

1. Review current and future needs of Public Safety Authorities, and;
2. Consider the need for a nationwide frequency allocation.

The Commission issued a Notice of Inquiry which produced over 300 comments. Many of these comments expressed to the Commission the critical need for immediate relief in the larger urban areas of the United States.

Results of FCC studies produced conclusions that were unfavorable for Public Safety Radio. As an example, the FCC indicated that many public safety frequencies were underutilized because it was noted that base station transmitters were idle much of the time.

To make a long story short, the FCC did little to give immediate relief to Public Safety Radio Users. In fact, the spectrum contiguous to existing 800 MHz public safety spectrum was proposed by the FCC to be given to a new service called the Mobile Satellite Service, a service for which there are no receivers, transmitters, or satellites for it to use.

Public Safety User Agencies from several large metropolitan areas around the United States, including the larger Texas cities, began lobbying Senators, Representatives, and FCC Commissioners in an effort to persuade the Commission to reconsider the matter of contiguous spectrum for Public Safety. On September 19, 1986, the Commission issued an Allocation Order, allocating 6 MHz of contiguous spectrum for Public Safety use.

Simultaneously, the Commission specified that the newly allocated frequencies could not be used until the FCC adopted a National Plan for Public Safety spectrum utilization.

In November 1986, a national meeting was called in Washington, with APCO as the convener. With AD Hoc Groups in attendance, a unified position of what the National Plan framework should consist, and what means could speed approval of such a plan be obtained from the Commission, was reached. There was much apprehension on the part of most participating groups, in that all were afraid that it would be difficult for such diversification to reach a unified position.

All fears were dispelled immediately as the first group related their ideas. In fact, although conceived separately, the ideas of all groups were unanimously in concert. That same afternoon, the entire contingent met with the FCC and from this meeting, agreement was reached whereby the FCC would establish an Industrial Advisory Committee to help them in the national planning process.

In December of 1986, NPSPAC was born. NPSPAC stands for "National Public Safety Advisory Committee" and with open membership, all interested parties throughout the United States were invited to participate in the planning process. Approximately 250 individuals ultimately participated in the activities of this committee.

NPSPAC was organized into task teams to study and make recommendations with respect to specific questions asked by the Commission. Five formal meetings were held. The Task Teams met and corresponded as they found necessary to develop responses to the Commissions' questions. A date was set for NPSPAC to issue its "Initial Report" which allowed the Commission to consider the Advisory Committee's initial recommendations at the same time public comments were being solicited via a Notice of Proposed Rulemaking. The date of the Advisory Committee's "Final Report" was set as September 30, 1987.

NPSPAC set two precedents in accomplishing its work which proved that Public Safety, though highly diversified, can work together in matters of this importance. NPSPAC is the only advisory committee ever to meet its deadlines for reports; and it is the only advisory committee ever to submit a report with no dissenting minority opinions appended. Let's hope that our regional planning goes as well.

NPSPAC's Final Report called for six (6) metropolitan areas to be established as individual regions in Texas. As only the FCC can do, when the Report and Order was issued, the entire State of Texas was one region. The NPSPAC members from Texas were able to convince the FCC, through a NPSPAC originated "Petition for Limited Reconsideration," to restore

Texas to six regions. They did however, expand the size of all six regions, and this region, the Austin Region grew to 30 counties.

We were all surprised when the Report and Order contained specific steps to be followed for initiating the regional planning process which was already well under way in most large metro areas of the United States. APCO was tasked with recommending to the FCC, the name of a convener for each region of the United States. I was chosen for this region. The conveners are directed by the FCC to call an initial meeting of interested eligibles (users of Public Safety and Special Emergency Radio) for the establishment of the Regional Planning Committee and to conduct an election of the Regional Planning Chairman. Today's meeting is the result of that directive. Ladies and gentlemen, we have a lot of work to do! Today - my concerns are with the Austin Region and the agencies represented in this room.

TEMPORARY RULES
REGION 49
REGIONAL PLANNING COMMITTEE

ARTICLE I

Authority

Upon approval of a majority of the Committee at the initial meeting, these Temporary Rules shall govern The Regional Planning Committee until such time as Permanent Rules are adopted by the Committee.

ARTICLE II

Officers

Officers of this committee shall be as follows:

Chairman:

Elected in accordance with procedures as contained in the Federal Communications Commission's Report and Order in the matter of Docket 87-112.

Vice-Chairman:

Elected by the Regional Planning Committee in accordance with these temporary rules.

ARTICLE III

Duties of Officers

Chairman:

The duties of the Regional Planning Committee Chairman shall be in accordance with the Federal Communications Commission's Report and Order in the matter of Docket 87-112.

Vice-Chairman:

The duties of the Regional Planning Committee Vice-Chairman shall be to assume the duties of the Chairman in his absence and to serve as parliamentarian by ruling on matters of parliamentary law at the request of the Chairman.

In the event that the Chairman's office becomes vacant, the Vice-Chairman shall become Chairman of the Regional Planning Committee and a new Vice-Chairman shall be elected at the first meeting thereafter.

ARTICLE IV

Parliamentary Law

In order to assure fairness, the parliamentary law by which the Regional Planning Committee shall conduct its deliberations shall be that which is published as Robert's Rules of Order Illustrated by Will Eisner, Poor House Press edition published 1982.

TEMPORARY RULES
REGION 49
REGIONAL PLANNING COMMITTEE
(continued)

ARTICLE V

Recording Secretary

As the first order of business, the Regional Planning Committee Chairman shall appoint a Recording Secretary whose duty is to make an official record of all deliberative actions of the Regional Planning Committee.

ARTICLE VI

Committee on Permanent Rules

The Regional Planning Committee Chairman shall appoint a committee to develop and present to the Regional Planning Committee, at its second meeting, a set of permanent rules by which the Committee will operate. Upon adoption of "Permanent Rules" by majority vote of the Committee, all temporary rules become mute and void.



BRAZOS COUNTY EMERGENCY
COMMUNICATIONS DISTRICT

TO: Chairmen Of Planning Regions: 40,50,51,52, & 53
FROM: Jeff Haislet, Committee Chairman Region 49
SUBJECT: Comments On Region 49 Plan And Notice of Intentions
To Submit Plan To The Federal Communications
Commission (FCC)

Region Planning Chairmen:

January 20, 1992

The Plan for Region 49 is now in final form ready to submit to the FCC for approval. In order for the plan to be sent to the FCC we must receive your concurrence for acceptance. If you have concerns about the enclosed plan, please submit them in writing prior to February 20, 1992 to the Region 49 Committee Chairman. If no response is received, we will assume your region is in agreement. I thank each of you for your assistance in this review process. If you have any questions or need any further clarifications please call me.

Sincerely,

Jeff Haislet

Region 49 Planning Committee Chairman



BRAZOS COUNTY EMERGENCY
COMMUNICATIONS DISTRICT

TO: Region 49 Planning Committee
FROM: Jeff Haislet, Committee Chairman
SUBJECT: Final Approval Of Region 49 Plan And Intentions To
Submit Plan To The Federal Communications
Commission (FCC)
DATE: December 31, 1991

Region 49 800MHz Trunking Plan Participants:

The Plan for Region 49 is now in final form ready for submission to the FCC to begin the approval process. In order for the plan to be sent to the FCC we must receive your concurrence for acceptance. If you have concerns about the enclosed plan, please submit them in writing prior to January 31, 1992 to the Region 49 Committee Chairman. If no response is received, the Plan will be accepted by acclamation. I am confident this Plan will meet the needs of our Region for many years to come. I thank each of you for your unselfish devotion of time and energy to make this Plan a reality. If you have any questions or need any clarifications please call me.

Sincerely,

Jeff Haislet

Region 49 Planning Committee Chairman

AGENDA

BVDC, CAPCO, CTCOG, HOTCOG

QUARTERLY MEETING
Capital Area Planning Council
2520 IH 35 South, Suite 100
Austin, Texas 78704

Conference Room
Friday, September 22, 1989

10:00 A.M.	Convene
10:15	Update on TDHS Programs and Services - Harolyn Moreau, et. al.
10:45	Update on TDH and Region 1 Programs and Services - Dr. Charles Webb, Director, Region I
11:15	Status of 9-1-1 Plans
11:45	Triple-A Client Tracking Plans/Update on TDOA Policy Development Task Force - COG Staff
12:15	Lunch - will be served in Conference Room
1:00	Public Safety Radio Communications Planning - Jeff Haislett, Executive Director, Brazos County Emergency Communications District, Bryan, Texas
1:30	Other Topics
2:00	Adjourn



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET N.W.
WASHINGTON, D.C. 20554

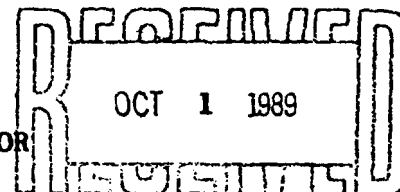
4546

309649

News media information 202/632-5050. Recorded listing of releases and texts 202/632-0002.

September 22, 1989

**ANNOUNCEMENT OF THE INITIAL
REGIONAL PUBLIC SAFETY PLANNING MEETING FOR
THE AUSTIN, TEXAS AREA**



The purpose of this Public Notice is to announce the initial meeting of the Austin, TX Public Safety Planning Committee.

DATE/TIME: November 14, 1989/9 AM

LOCATION: Classroom B
Department of Public Safety Training Academy
5805 N. Lamar Blvd.
Austin, TX

CONVENOR: Jeff Haislet
Brazos County Emergency Communications District
P.O. Box 2291
Bryan, TX 77806-2291

(409) 779-0911

Region 49 includes the counties of Bosque, Hill, Hamilton, McLennan, Limestone, Freestone, Mills, Coryell, Falls, Robertson, Leon, San Saba, Lampasas, Bell, Milam, Brazos, Madison, Grimes, Llano, Burnet, Williamson, Burleson, Lee, Washington, Blanco, Hays, Travis, Caldwell, Bastrop, and Fayette. All parties located in the Austin, TX area (Region 49) who are interested in participating in the public safety planning process are encouraged to contact the convenor listed above for further information.

AFFIDAVIT OF PUBLICATION

THE STATE OF TEXAS
COUNTY OF TRAVIS

Before me, the undersigned authority, a Notary Public in and for the County of Travis, State of Texas, on this day personally appeared:

James R. Frizzell

Classified Advertising Agent of the Austin American-Statesman, a daily newspaper published in said County and State, who being duly sworn by me, states that the attached advertisement was published in said newspaper on the following dates, to wit:

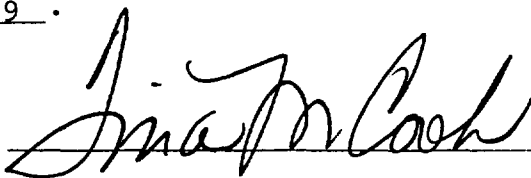
September 8th & November 7th, 1989

and that the attached is a true copy of said advertisement.



SWORN AND SUBSCRIBED TO BEFORE ME, this the 10th

Day of November A.D. 1989.



Notary Public in and for
TRAVIS COUNTY, TEXAS

Tina M. Cook
(Type or Print Name of Notary)

10/20/90
(My Commission Expires:)

COUNTY OF McLENNAN

On September 8 19 89 and on 19

Having been duly certified to the Federal Communications Commission (FCC) by the Associated Public-Safety Communications Officers, Inc. (APCO) as the Convenor of an initial meeting of representatives of parties eligible for radio licensing in the FCC's Public Safety and Special Emergency Radio Services to establish a Regional Planning Committee in the State of Texas in Region 49, as described hereinafter, I hereby give Public Notice that such an initial meeting will be held on Tuesday, November 14, 1989, in Classroom B, Department of Public Safety Training Academy, 5805 N. Lamar Blvd., Austin, Texas, beginning at 9:00 a.m. Region 49 is one of 55

This Public Notice is in accordance with the FCC's Report and Order in Gen. Docket No. 87-112, adopted by the

**Jeff Haislet, Convenor
Regional, National Plan
Brazos County Emergency
Communications District
P.O.Box 2291
Bryan, Texas 77806
(409) 779-0911**

John Kolbert

September 19 89

Notary Public McLennan County, Texas

My commission expires 2/3/91

[illegible]

KILLEEN DAILY HERALD

PUBLISHED MORNINGS / 7 DAYS A WEEK

PUBLISHER'S AFFIDAVIT THE STATE OF TEXAS COUNTY OF BELL

Personally appeared before the undersigned

authority Margaritha Garza

who being sworn says that the attached _____

Legal Notice

was published in the Killeen Daily Herald on the

following dates to-wit: November 1,

_____ 19 89

at a cost of \$ 40.50

Margaritha Garza
Classified Supervisor

Subscribed and sworn to me this 1st

day of November 19 89

Ken Feight
Notary Public, Bell County, Texas

Ken Feight
Name Typed or Printed

My commission expires 4/26/93

PUBLIC NOTICE

TO ALL REGION 49 PUBLIC
SAFETY AND SPECIAL
EMERGENCY RADIO USER
AGENCIES

Having been duly certified to the Federal Communications Commissions (FCC) by the Associated Public Safety Communications Officers, Inc. (APCO) as the Convenor of an initial meeting of representatives of parties eligible for radio licensing in the FCC's Public Safety and Special Emergency Radio Services to establish a Regional Planning Committee in the State of Texas in Region 49, as described hereinafter, I hereby give Public Notice that such an initial meeting will be held on Tuesday, November 14, 1989, in Classroom B, Department of Public Safety Training Academy, 5805 N. Lamar Blvd., Austin, Texas, beginning at 9:00 a.m. Region 49 is one of 55 established by the FCC throughout the United States and includes the following Texas counties:

Bastrop, Bell, Blanco, Bosque, Brazos, Burleson, Burnett, Caldwell, Coryell, Falls, Fayette, Freestone, Grimes, Hamilton, Hays, Hill, Lampasas, Lee, Leon, Limestone, Llano, Madison, McLennan, Milam, Mills, Robertson, San Saba, Travis, Washington, Williamson.

The responsibility of the Regional Planning Committee will be to develop a Plan for use of frequencies in the 821-824 and 846-869 megahertz bands allocated by the FCC for use by such licensees. Parties interested in participating in the regional planning process should contact me.

This Public Notice is in accordance with the FCC's Report and Order in Gen. Docket No. 87-112, adopted by the FCC on November 24, 1989, and released on December 18, 1989, and with the FCC's Memorandum Opinion and Order adopted by the FCC on September 9, 1987.

Copies of both the Report and Order and the Final Report are available from the FCC's duplication contractor, International Transcription Services, Inc., Suite 140, 2100 M Street, N.W., Washington, D.C. 20037. Phone (202) 857-3800.

Jeff Haislet, Convenor
Regional, National Plan
Brazos County Emergency
Communications District
P.O. Box 2291
Bryan, Texas 77806
(409) 779-0911

Jeff Haislet
Convenor

September 3, 1989

(Legal Notice Published in the Killeen Daily Herald November 1, 1989.)

PUBLISHER'S AFFIDAVIT

STATE OF TEXAS
COUNTY OF BELL

BEFORE ME, THE UNDERSIGNED AUTHORITY, this day personally appeared.....Stan Thomas.....and after being by me duly sworn, says that he is the
.....Classified Manager..... of the Temple Daily Telegram, a newspaper
published in Bell County, Texas, and that the Notice, a copy of which is hereto attached, was
published in said newspaper on the following dates:

September 8, A.D. 19 89

Ad number 10029

90 measured lines of classified advertising
for Brazos County Emergency Communications
District for 1 time @ 65¢ per line per issue
equals \$58.50.

PUBLIC NOTICE

TO ALL REGION 49 PUBLIC SAFETY
AND SPECIAL EMERGENCY RADIO USER AGENCIES

Having been duly certified to the Federal Communications Commission (FCC) by the Associated Public Safety Communications Officers, Inc. (APSCO) as the Convenor of an initial meeting of representatives of parties eligible for radio licensing in the FCC's Public Safety and Special Emergency Radio Services to establish a Regional Planning Committee in the State of Texas in Region 49, as described hereinafter, I hereby give Public Notice that such an initial meeting will be held on Tuesday, November 14, 1989, in Classroom B, Department of Public Safety Training Academy, 5805 N. Lamar Blvd., Austin, Texas, beginning at 9:00 a.m. Region 49 is one of 55 established by the FCC throughout the United States and includes the following Texas counties:

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The responsibility of the Regional Planning Committee will be to develop a Plan for use of frequencies in the 821-824 and 866-869 megahertz bands allocated by the FCC for use by such licensees. Parties interested in participating in the regional planning process should contact me.

This Public Notice is in accordance with the FCC's Report and Order in Gen. Docket No. 87-112, adopted by the FCC on November 24, 1987, and released on December 18, 1987, and with the FCC's Memorandum Opinion and Order adopted by the FCC on September 9, 1987.

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Jeff Haislet, Convenor
Regional, National Plan
Brazos County Emergency Communications District
P.O. Box 2291
Bryan, Texas 77806
(409) 779-0911

Stan Thomas

Stan Thomas

SUBSCRIBED AND SWORN TO before me, this the 11th day of September, A.D. 19 89

Zella M. Williams

Notary Public in and for Bell County, Texas

[SEAL]

Guaranteed
Call 776-SE

Info

OFFICE HOURS

Monday
Saturday
Sunday
Phone

DEADLINES:

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B.Y. Living Space
• Display: Friday
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Friday 7:3
Saturday 8:0

AFFIDAVIT OF PUBLICATION

THE STATE OF TEXAS
COUNTY OF BRAZOS

On this 19 day of September, 19 89, personally, appeared before me, the undersigned,

a Notary Public in and for said county and state, Malisa Velasquez

of THE EAGLE, a newspaper published at Bryan, County of Brazos, State of Texas, who, being by me duly sworn, on oath, states that: Region 49 public safety and special user agencies.

was published in said newspaper in 1 issues thereof on the following dates

September 8, 1989

Subscribed and sworn to before me, this the 19 day of September, 19 89.

Linda S. Long
Notary Public, Brazos County, Texas

**EAGLE CLASSIFIEDS
ARE NOW EASIER
TO USE!**

Check our index for
new ad classifications.

